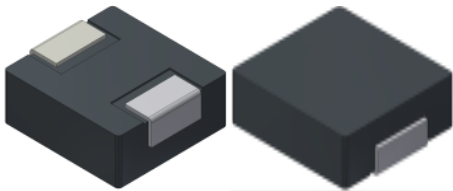


# High Current, Power Inductors

## JZLPCA-1040-XXX-M Power Choke



### Description

- Halogen Free
- 125°C maximum total temperature operation
- 11.5x10.3x 4.0mm maximum surface mount package
- Powder iron core material
- Magnetically shielded, low EMI
- High current carrying capacity, Low core losses
- Frequency range up to 5MHz
- RoHS compliant

### Applications

- Voltage Regulator Module (VRM)
- Multi-phase regulators
- Point-of-load modules
- Smart phone POL modules
- SSD modules
- Notebook regulators
- Battery power systems
- Graphics cards
- Data networking and storage systems

### Environmental Data

- Storage temperature range: -55°C to +125 °C
- Operating temperature range: -55°C to +125°C (ambient plus self-temperature rise)
- Solder reflow temperature: J-STD-020D compliant

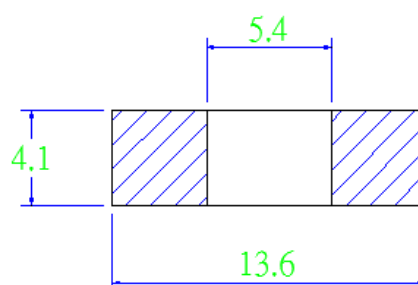
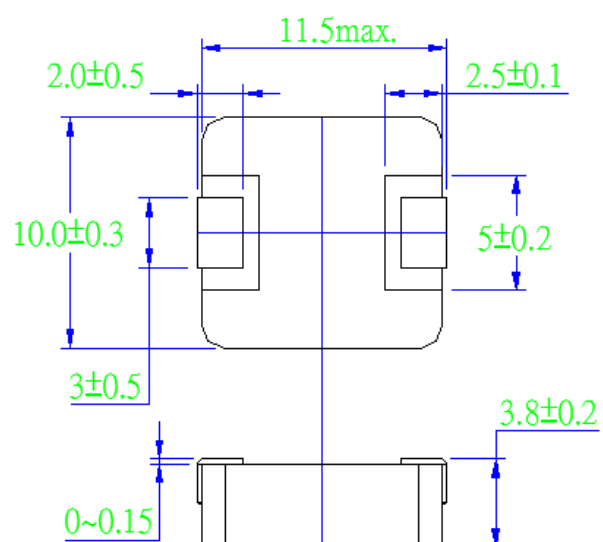
| Description        |   |   |   |                  |   |   |   |                      |   |           |   |
|--------------------|---|---|---|------------------|---|---|---|----------------------|---|-----------|---|
| LPCA-1040-1R5-M    |   |   |   | 1.5μH            |   |   |   | ±20 %                |   |           |   |
| Model              |   |   |   | Inductance Value |   |   |   | Inductance Tolerance |   |           |   |
| Global Part Number |   |   |   |                  |   |   |   |                      |   |           |   |
| L                  | P | C | A | 1                | 0 | 4 | 0 | 1                    | R | 5         | M |
| Product Series     |   |   |   | Dimensions       |   |   |   | Inductance           |   | ValueTol. |   |

| Part No.        | Inductance         | DC Resistance |       | Heating Rating Current | Saturation Current |
|-----------------|--------------------|---------------|-------|------------------------|--------------------|
|                 | L0 (μH)            | DCR (mΩ)      |       | Idc (A)                | Isat (A)           |
|                 | ±20 %, 100 kHz, 1V | TYP.          | MAX.  | TYP.                   | TYP.               |
| LPCA-1040-R15-M | 0.15               | 0.5           | 0.65  | 45.0                   | 75.0               |
| LPCA-1040-R22-M | 0.22               | 0.9           | 1.0   | 35.0                   | 60.0               |
| LPCA-1040-R30-M | 0.30               | 0.95          | 1.1   | 35.0                   | 50.0               |
| LPCA-1040-R36-M | 0.36               | 1.05          | 1.2   | 30.0                   | 50.0               |
| LPCA-1040-R47-M | 0.47               | 1.5           | 1.7   | 30.0                   | 40.0               |
| LPCA-1040-R56-M | 0.56               | 1.6           | 1.8   | 25.0                   | 33.0               |
| LPCA-1040-R68-M | 0.68               | 2.1           | 2.4   | 23.0                   | 30.0               |
| LPCA-1040-R80-M | 0.80               | 2.6           | 2.7   | 23.0                   | 29.0               |
| LPCA-1040-1R0-M | 1.0                | 3.0           | 3.3   | 19.0                   | 28.0               |
| LPCA-1040-1R5-M | 1.5                | 3.8           | 4.2   | 16.0                   | 26.0               |
| LPCA-1040-2R2-M | 2.2                | 6.0           | 7.0   | 12.0                   | 18.0               |
| LPCA-1040-3R3-M | 3.3                | 10.0          | 11.8  | 11.0                   | 16.0               |
| LPCA-1040-4R7-M | 4.7                | 17.0          | 20.0  | 9.0                    | 15.0               |
| LPCA-1040-6R8-M | 6.8                | 22.0          | 25.0  | 8.5                    | 12.0               |
| LPCA-1040-8R2-M | 8.2                | 25.0          | 27.0  | 8.0                    | 9.0                |
| LPCA-1040-100-M | 10.0               | 27.0          | 30.0  | 7.8                    | 8.5                |
| LPCA-1040-150-M | 15.0               | 40.0          | 45.0  | 6.5                    | 7.0                |
| LPCA-1040-220-M | 22.0               | 58.0          | 66.0  | 5.0                    | 5.5                |
| LPCA-1040-330-M | 33.0               | 85.0          | 92.0  | 4.4                    | 5.0                |
| LPCA-1040-470-M | 47.0               | 130.0         | 145.0 | 3.3                    | 3.5                |
| LPCA-1040-680-M | 68.0               | 178.0         | 195.0 | 2.5                    | 3.0                |

## Notes

1. All test data is referenced to 25 °C ambient
2. Operating temperature range - 55 °C to + 125 °C
3. Idc(A):DC current (A) that will cause an approximate ΔT of 40 °C(reference ambient temperature is 25 °C)
4. Isat(A):DC current (A) that will cause L0 to drop approximately 30 %
5. The part temperature (ambient + temp rise) should not exceed 125 °C under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

## •Dimensions-mm



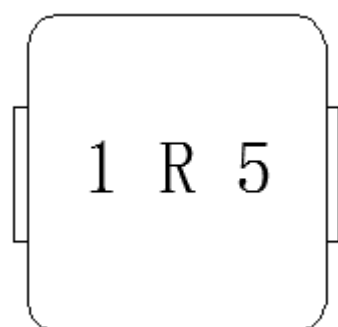
Recommend Land Pattern Dimensions

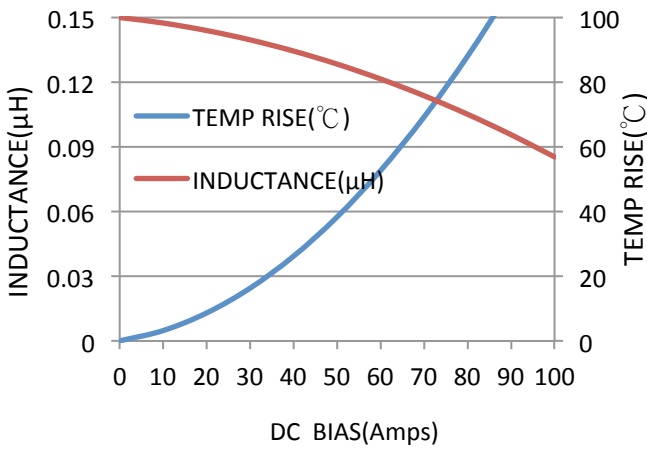
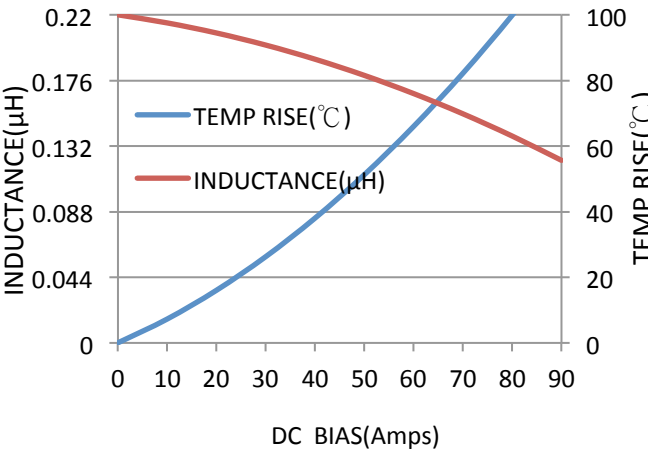
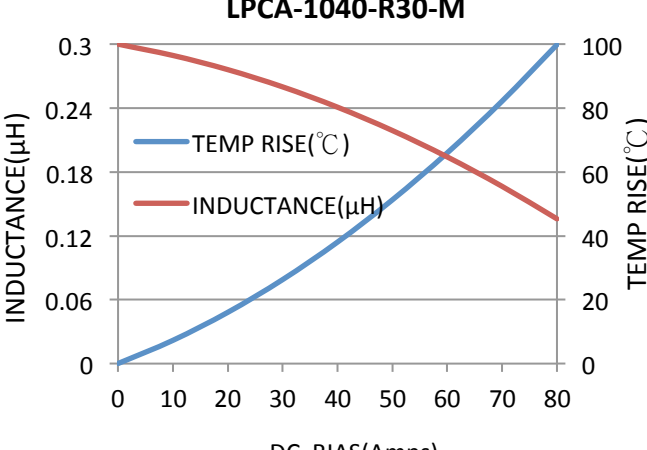
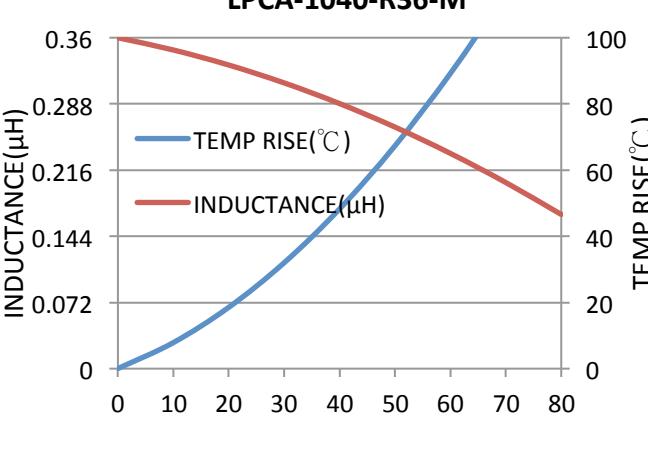
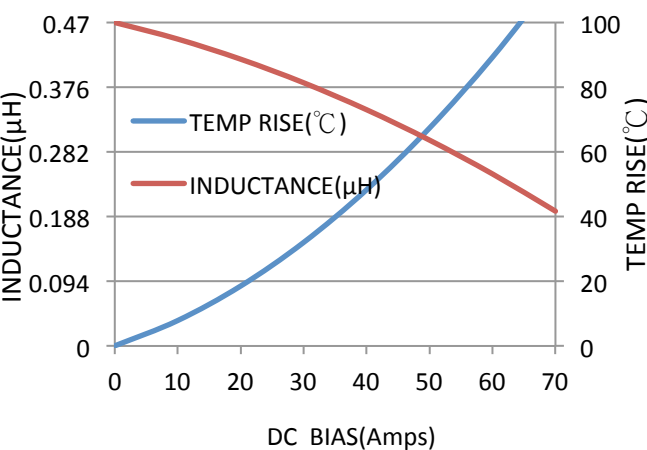
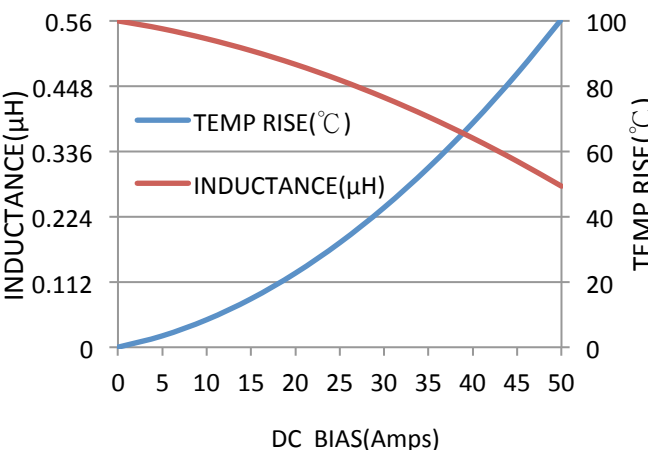
## • Marking

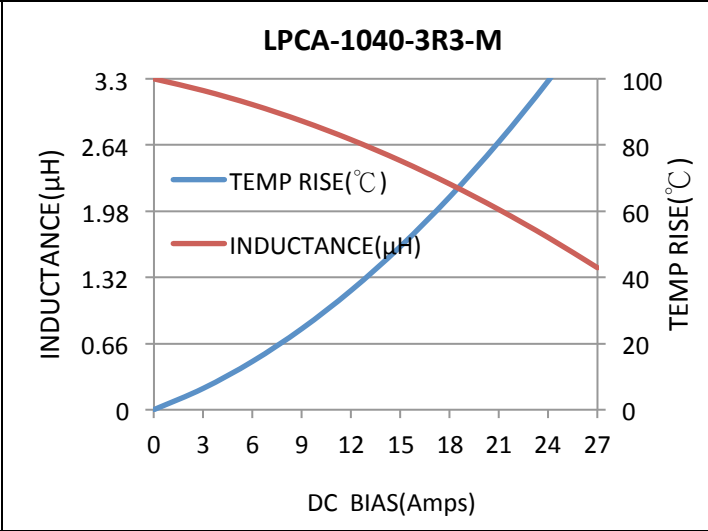
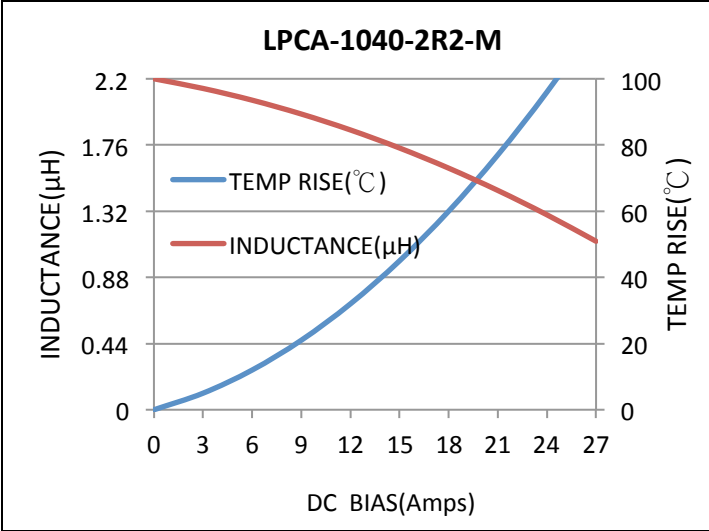
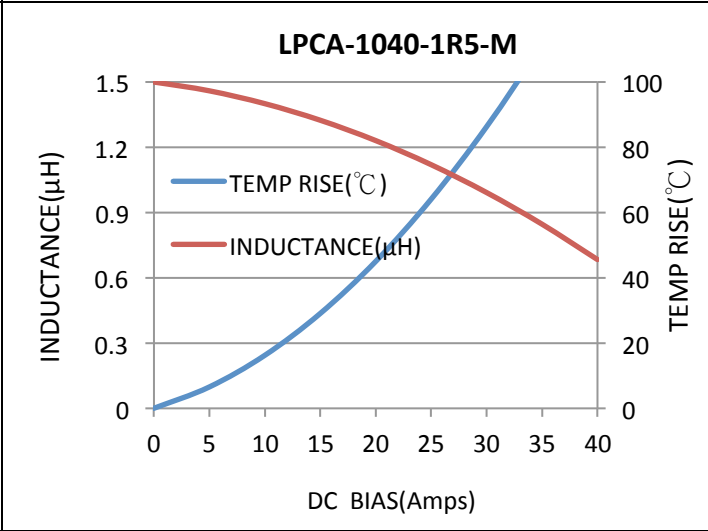
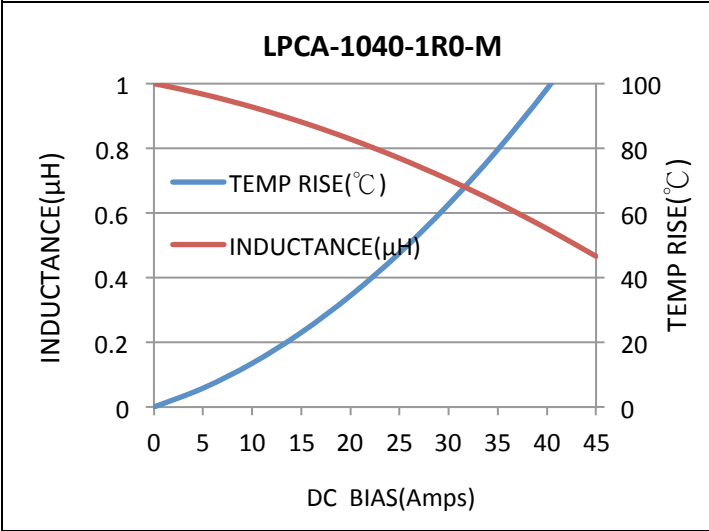
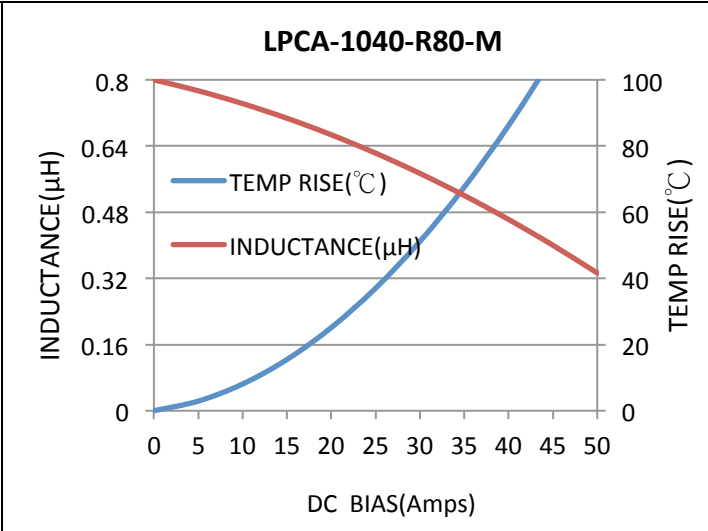
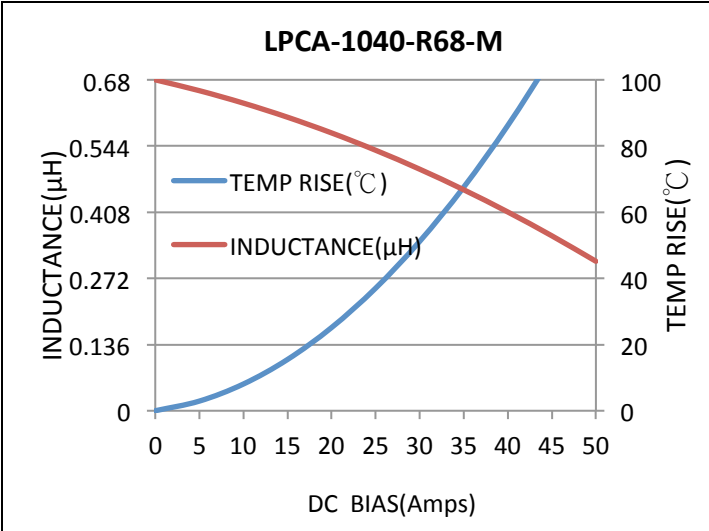
The inductor is marked with a 3-digit code

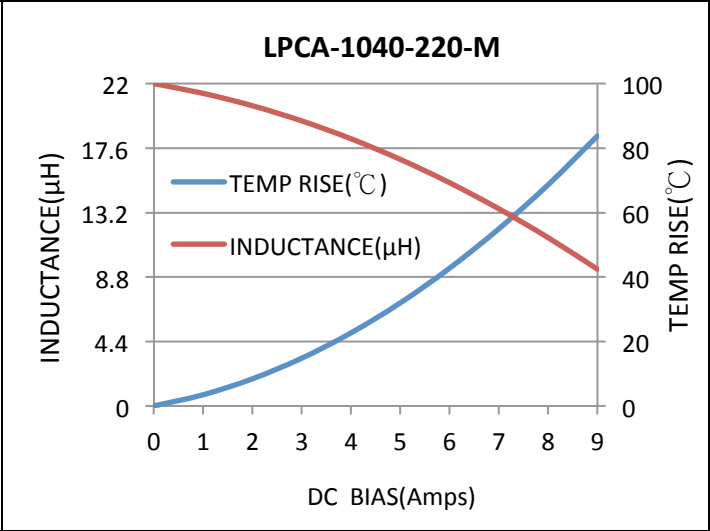
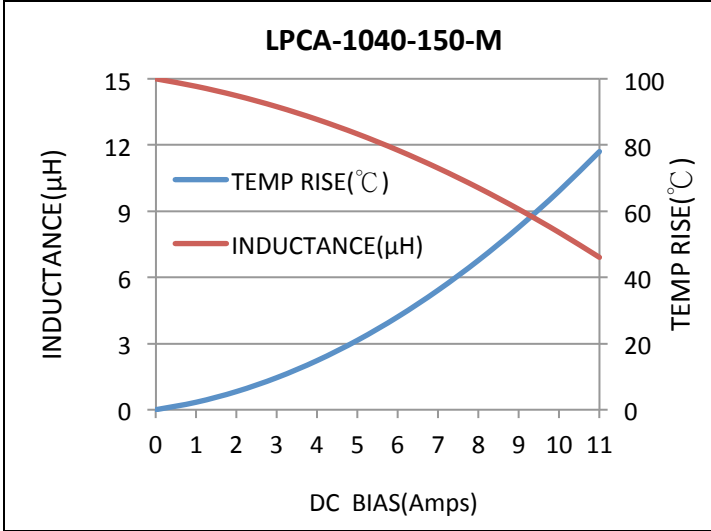
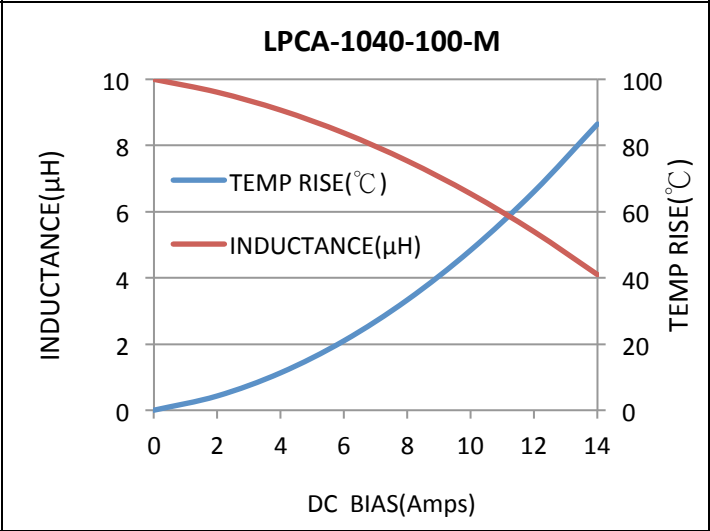
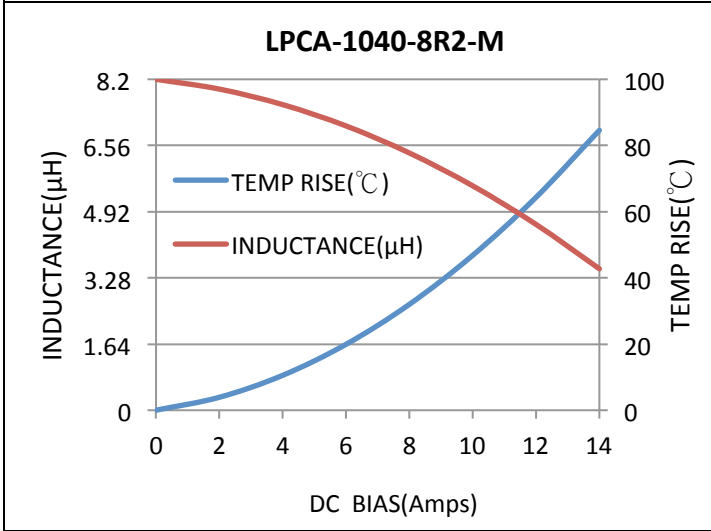
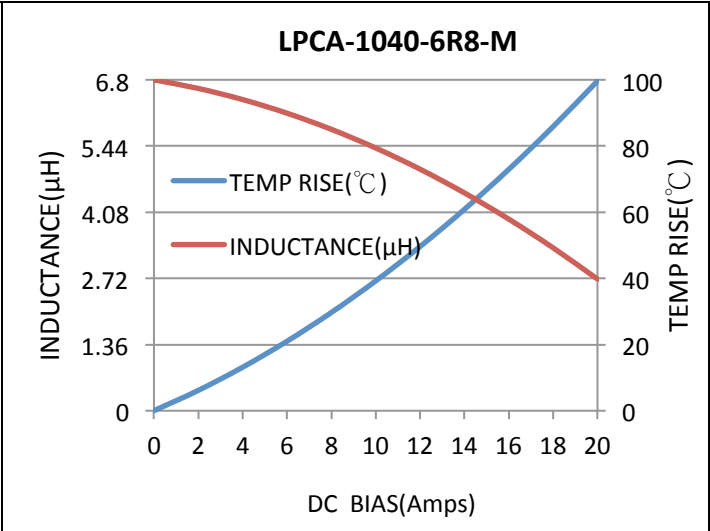
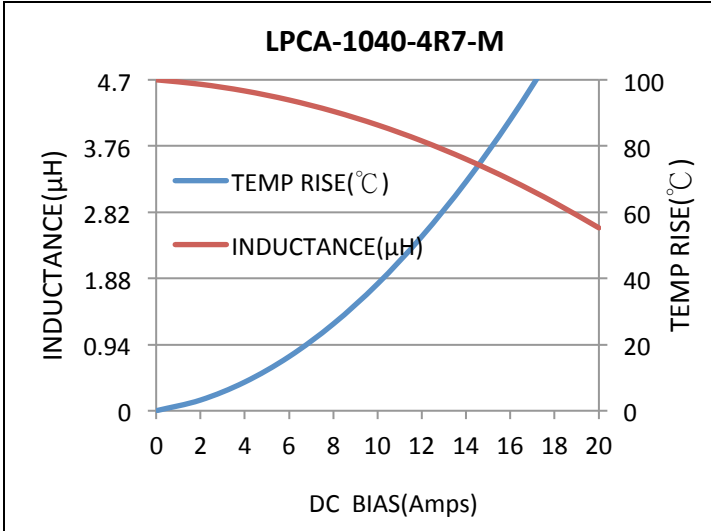
Example - -1.5→1R5

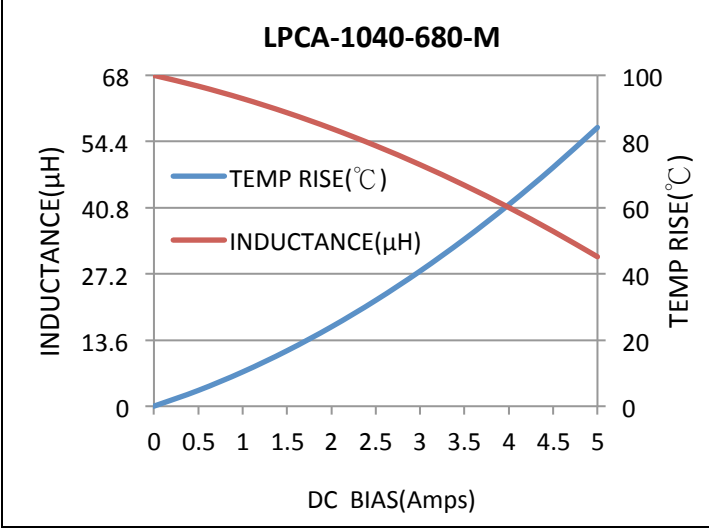
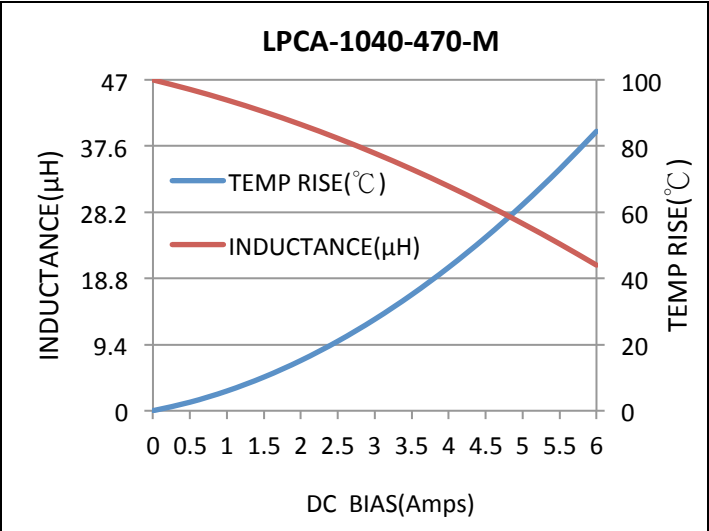
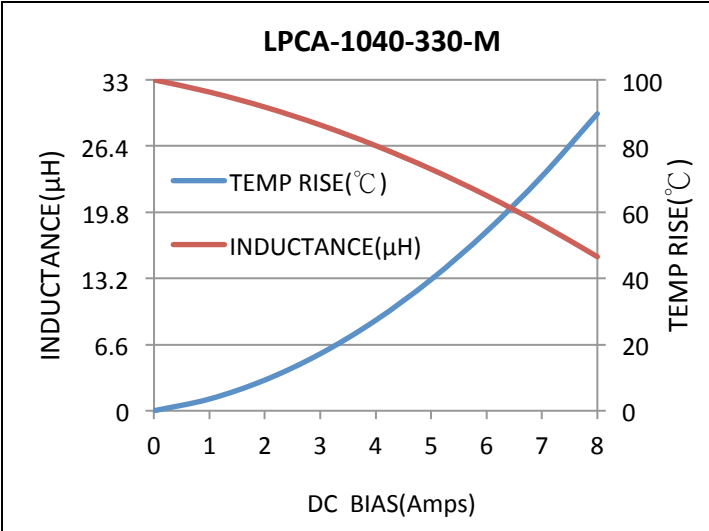
Note : Using Ink for marking



| Test Instruments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Test Condition                                                         |                 |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----------------|-----------------|---|---|------|----|---|-------|----|----|------|----|----|-------|----|----|------|----|----|-------|----|----|------|----|----|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|-----------------|----|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|-----------------|----|----|-------|----|----|-------|----|----|-------|----|----|-------|----|----|-------|----|----|-------|----|----|-------|----|----|-------|----|----|------|----|----|-------|
| Wayne kerr 3260B/G LCR Meter<br>Wayne kerr 3265B Bias Current Source                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Temperature: 26 ± 3℃<br>Humidity: < 70% RH<br>Frequency: 100 KHz, 1.0V |                 |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| <p><b>LPCA-1040-R15-M</b></p>  <table data-bbox="122 501 772 949"><caption>Data for LPCA-1040-R15-M</caption><tr><th>DC BIAS (Amps)</th><th>TEMP RISE (°C)</th><th>INDUCTANCE (μH)</th></tr><tr><td>0</td><td>0</td><td>0.15</td></tr><tr><td>10</td><td>5</td><td>0.145</td></tr><tr><td>20</td><td>10</td><td>0.14</td></tr><tr><td>30</td><td>15</td><td>0.135</td></tr><tr><td>40</td><td>20</td><td>0.13</td></tr><tr><td>50</td><td>25</td><td>0.125</td></tr><tr><td>60</td><td>30</td><td>0.12</td></tr><tr><td>70</td><td>35</td><td>0.115</td></tr><tr><td>80</td><td>40</td><td>0.11</td></tr><tr><td>90</td><td>45</td><td>0.105</td></tr><tr><td>100</td><td>50</td><td>0.09</td></tr></table> | DC BIAS (Amps)                                                         | TEMP RISE (°C)  | INDUCTANCE (μH) | 0 | 0 | 0.15 | 10 | 5 | 0.145 | 20 | 10 | 0.14 | 30 | 15 | 0.135 | 40 | 20 | 0.13 | 50 | 25 | 0.125 | 60 | 30 | 0.12 | 70 | 35 | 0.115 | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 40             | 0.11           | 90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 45             | 0.105          | 100             | 50 | 0.09 | <p><b>LPCA-1040-R22-M</b></p>  <table data-bbox="834 501 1485 949"><caption>Data for LPCA-1040-R22-M</caption><tr><th>DC BIAS (Amps)</th><th>TEMP RISE (°C)</th><th>INDUCTANCE (μH)</th></tr><tr><td>0</td><td>0</td><td>0.22</td></tr><tr><td>10</td><td>5</td><td>0.215</td></tr><tr><td>20</td><td>10</td><td>0.21</td></tr><tr><td>30</td><td>15</td><td>0.205</td></tr><tr><td>40</td><td>20</td><td>0.20</td></tr><tr><td>50</td><td>25</td><td>0.195</td></tr><tr><td>60</td><td>30</td><td>0.19</td></tr><tr><td>70</td><td>35</td><td>0.185</td></tr><tr><td>80</td><td>40</td><td>0.18</td></tr><tr><td>90</td><td>45</td><td>0.132</td></tr></table> | DC BIAS (Amps) | TEMP RISE (°C) | INDUCTANCE (μH) | 0  | 0  | 0.22  | 10 | 5  | 0.215 | 20 | 10 | 0.21  | 30 | 15 | 0.205 | 40 | 20 | 0.20  | 50 | 25 | 0.195 | 60 | 30 | 0.19  | 70 | 35 | 0.185 | 80 | 40 | 0.18 | 90 | 45 | 0.132 |
| DC BIAS (Amps)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TEMP RISE (°C)                                                         | INDUCTANCE (μH) |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0                                                                      | 0.15            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5                                                                      | 0.145           |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10                                                                     | 0.14            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 15                                                                     | 0.135           |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20                                                                     | 0.13            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 25                                                                     | 0.125           |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 30                                                                     | 0.12            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 35                                                                     | 0.115           |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 40                                                                     | 0.11            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 45                                                                     | 0.105           |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50                                                                     | 0.09            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| DC BIAS (Amps)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TEMP RISE (°C)                                                         | INDUCTANCE (μH) |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0                                                                      | 0.22            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5                                                                      | 0.215           |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10                                                                     | 0.21            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 15                                                                     | 0.205           |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20                                                                     | 0.20            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 25                                                                     | 0.195           |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 30                                                                     | 0.19            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 35                                                                     | 0.185           |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 40                                                                     | 0.18            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 45                                                                     | 0.132           |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| <p><b>LPCA-1040-R30-M</b></p>  <table data-bbox="122 1005 772 1453"><caption>Data for LPCA-1040-R30-M</caption><tr><th>DC BIAS (Amps)</th><th>TEMP RISE (°C)</th><th>INDUCTANCE (μH)</th></tr><tr><td>0</td><td>0</td><td>0.3</td></tr><tr><td>10</td><td>5</td><td>0.29</td></tr><tr><td>20</td><td>10</td><td>0.28</td></tr><tr><td>30</td><td>15</td><td>0.27</td></tr><tr><td>40</td><td>20</td><td>0.26</td></tr><tr><td>50</td><td>25</td><td>0.25</td></tr><tr><td>60</td><td>30</td><td>0.24</td></tr><tr><td>70</td><td>35</td><td>0.23</td></tr><tr><td>80</td><td>40</td><td>0.12</td></tr></table>                                                                                            | DC BIAS (Amps)                                                         | TEMP RISE (°C)  | INDUCTANCE (μH) | 0 | 0 | 0.3  | 10 | 5 | 0.29  | 20 | 10 | 0.28 | 30 | 15 | 0.27  | 40 | 20 | 0.26 | 50 | 25 | 0.25  | 60 | 30 | 0.24 | 70 | 35 | 0.23  | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 40             | 0.12           | <p><b>LPCA-1040-R36-M</b></p>  <table data-bbox="834 1005 1485 1453"><caption>Data for LPCA-1040-R36-M</caption><tr><th>DC BIAS (Amps)</th><th>TEMP RISE (°C)</th><th>INDUCTANCE (μH)</th></tr><tr><td>0</td><td>0</td><td>0.36</td></tr><tr><td>10</td><td>5</td><td>0.35</td></tr><tr><td>20</td><td>10</td><td>0.34</td></tr><tr><td>30</td><td>15</td><td>0.33</td></tr><tr><td>40</td><td>20</td><td>0.32</td></tr><tr><td>50</td><td>25</td><td>0.31</td></tr><tr><td>60</td><td>30</td><td>0.30</td></tr><tr><td>70</td><td>35</td><td>0.29</td></tr><tr><td>80</td><td>40</td><td>0.144</td></tr></table> | DC BIAS (Amps) | TEMP RISE (°C) | INDUCTANCE (μH) | 0  | 0    | 0.36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10             | 5              | 0.35            | 20 | 10 | 0.34  | 30 | 15 | 0.33  | 40 | 20 | 0.32  | 50 | 25 | 0.31  | 60 | 30 | 0.30  | 70 | 35 | 0.29  | 80 | 40 | 0.144 |    |    |       |    |    |      |    |    |       |
| DC BIAS (Amps)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TEMP RISE (°C)                                                         | INDUCTANCE (μH) |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0                                                                      | 0.3             |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5                                                                      | 0.29            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10                                                                     | 0.28            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 15                                                                     | 0.27            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20                                                                     | 0.26            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 25                                                                     | 0.25            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 30                                                                     | 0.24            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 35                                                                     | 0.23            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 40                                                                     | 0.12            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| DC BIAS (Amps)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TEMP RISE (°C)                                                         | INDUCTANCE (μH) |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0                                                                      | 0.36            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5                                                                      | 0.35            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10                                                                     | 0.34            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 15                                                                     | 0.33            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20                                                                     | 0.32            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 25                                                                     | 0.31            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 30                                                                     | 0.30            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 35                                                                     | 0.29            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 40                                                                     | 0.144           |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| <p><b>LPCA-1040-R47-M</b></p>  <table data-bbox="122 1552 772 2000"><caption>Data for LPCA-1040-R47-M</caption><tr><th>DC BIAS (Amps)</th><th>TEMP RISE (°C)</th><th>INDUCTANCE (μH)</th></tr><tr><td>0</td><td>0</td><td>0.47</td></tr><tr><td>10</td><td>5</td><td>0.46</td></tr><tr><td>20</td><td>10</td><td>0.45</td></tr><tr><td>30</td><td>15</td><td>0.44</td></tr><tr><td>40</td><td>20</td><td>0.43</td></tr><tr><td>50</td><td>25</td><td>0.42</td></tr><tr><td>60</td><td>30</td><td>0.41</td></tr><tr><td>70</td><td>35</td><td>0.188</td></tr></table>                                                                                                                                      | DC BIAS (Amps)                                                         | TEMP RISE (°C)  | INDUCTANCE (μH) | 0 | 0 | 0.47 | 10 | 5 | 0.46  | 20 | 10 | 0.45 | 30 | 15 | 0.44  | 40 | 20 | 0.43 | 50 | 25 | 0.42  | 60 | 30 | 0.41 | 70 | 35 | 0.188 | <p><b>LPCA-1040-R56-M</b></p>  <table data-bbox="834 1552 1485 2000"><caption>Data for LPCA-1040-R56-M</caption><tr><th>DC BIAS (Amps)</th><th>TEMP RISE (°C)</th><th>INDUCTANCE (μH)</th></tr><tr><td>0</td><td>0</td><td>0.56</td></tr><tr><td>5</td><td>2</td><td>0.555</td></tr><tr><td>10</td><td>4</td><td>0.55</td></tr><tr><td>15</td><td>6</td><td>0.545</td></tr><tr><td>20</td><td>8</td><td>0.54</td></tr><tr><td>25</td><td>10</td><td>0.535</td></tr><tr><td>30</td><td>12</td><td>0.53</td></tr><tr><td>35</td><td>14</td><td>0.525</td></tr><tr><td>40</td><td>16</td><td>0.52</td></tr><tr><td>45</td><td>18</td><td>0.515</td></tr><tr><td>50</td><td>20</td><td>0.224</td></tr></table> | DC BIAS (Amps) | TEMP RISE (°C) | INDUCTANCE (μH)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0              | 0              | 0.56            | 5  | 2    | 0.555                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10             | 4              | 0.55            | 15 | 6  | 0.545 | 20 | 8  | 0.54  | 25 | 10 | 0.535 | 30 | 12 | 0.53  | 35 | 14 | 0.525 | 40 | 16 | 0.52  | 45 | 18 | 0.515 | 50 | 20 | 0.224 |    |    |      |    |    |       |
| DC BIAS (Amps)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TEMP RISE (°C)                                                         | INDUCTANCE (μH) |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0                                                                      | 0.47            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5                                                                      | 0.46            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10                                                                     | 0.45            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 15                                                                     | 0.44            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20                                                                     | 0.43            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 25                                                                     | 0.42            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 30                                                                     | 0.41            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 35                                                                     | 0.188           |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| DC BIAS (Amps)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | TEMP RISE (°C)                                                         | INDUCTANCE (μH) |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0                                                                      | 0.56            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                                                                      | 0.555           |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                                                                      | 0.55            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6                                                                      | 0.545           |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8                                                                      | 0.54            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10                                                                     | 0.535           |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 12                                                                     | 0.53            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 14                                                                     | 0.525           |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 16                                                                     | 0.52            |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 18                                                                     | 0.515           |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |
| 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20                                                                     | 0.224           |                 |   |   |      |    |   |       |    |    |      |    |    |       |    |    |      |    |    |       |    |    |      |    |    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                 |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                 |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |       |    |    |      |    |    |       |

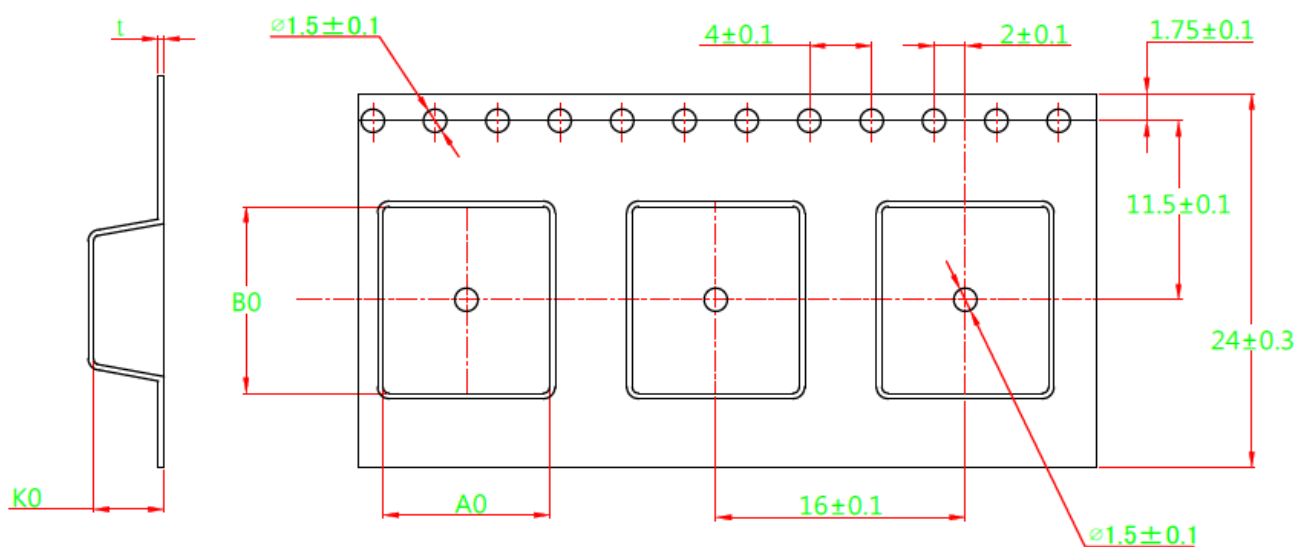






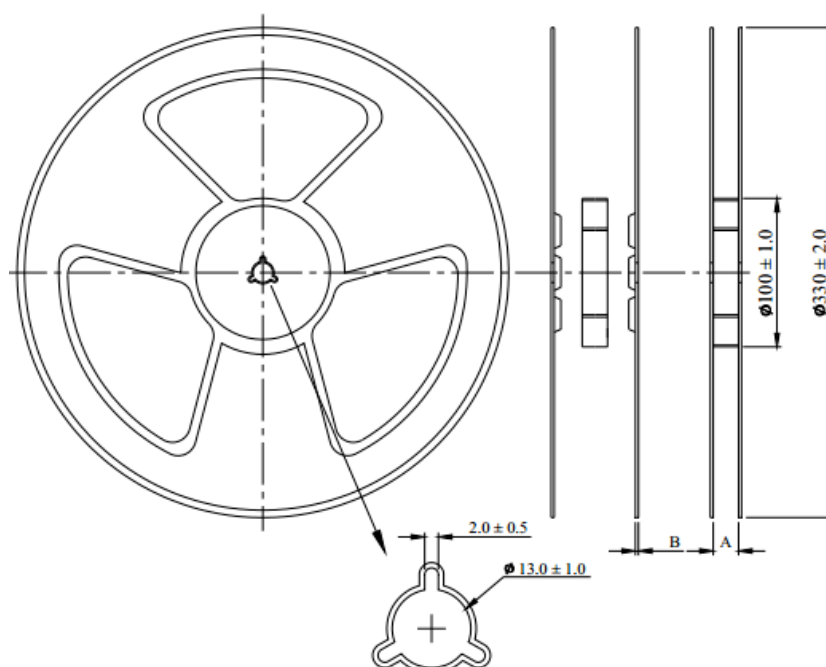
| Mechanical Reliability      |                                                                                               |                                                                                                                                                                                                                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Item                        | Specification and Requirement                                                                 | Test Method                                                                                                                                                                                                                                                                             |
| Solderability               | The surface of terminal immersed shall be minimum of 95% covered with a new coating of solder | Solder heat proof:<br>1. Preheating: $160 \pm 10^{\circ}\text{C}$<br>2. Retention time: $245 \pm 5^{\circ}\text{C}$ for $2 \pm 0.5$ seconds                                                                                                                                             |
| Vibration                   | Inductance change: Within $\pm 10\%$<br>Without mechanical damage such as break               | 1. Vibration frequency:<br>(10 Hz to 55 Hz to 10Hz) in 60 seconds as a period<br>2. Vibration time:<br>Period cycled for 2 hours in each of 3 mutual perpendicular directions.<br>3. Amplitude: 1.5 mm max.                                                                             |
| Shock                       | Inductance change: Within $\pm 10\%$<br>Without mechanical damage such as break               | 1. Peak value: 100 G<br>2. Duration of pulse: 11ms<br>3. 3 times in each positive and negative direction of 3 mutual perpendicular directions                                                                                                                                           |
| Endurance Reliability       |                                                                                               |                                                                                                                                                                                                                                                                                         |
| Item                        | Specification and Requirement                                                                 | Test Method                                                                                                                                                                                                                                                                             |
| Thermal Shock               | Inductance change: Within $\pm 10\%$<br>Without distinct damage in appearance                 | 1. Repeat 100 cycles as follow:<br>( $-55 \pm 2^{\circ}\text{C}$ ; $30 \pm 3$ min)<br>→ (Room temp., 5 min)<br>→ ( $+125 \pm 2^{\circ}\text{C}$ , $30 \pm 3$ min)<br>→ (Room temp., 5 min)<br>2. Recovery: $48 + 4 / -0$ hours of recovery under the standard condition after the test. |
| High Temperature Resistance | Inductance change: Within $\pm 10\%$<br>Without distinct damage in appearance                 | 1. Environment condition: $85 \pm 2^{\circ}\text{C}$<br>Applied Current: Rated current<br>2. Duration: $1000 + 4 / -0$ hours                                                                                                                                                            |
| Humidity Resistance         | Inductance change: Within $\pm 10\%$ Without distinct damage in appearance                    | 1. Environment condition: $60 \pm 2^{\circ}\text{C}$<br>Humidity: 90–95%<br>Applied Current: Rated current<br>2. Duration: $1000 + 4 / -0$ hours                                                                                                                                        |
| Low Temperature Store       | Inductance change: Within $\pm 10\%$<br>Without distinct damage in appearance                 | Store temperature:<br>$-55 \pm 2^{\circ}\text{C}$ , $1000 + 4 / -0$ hours                                                                                                                                                                                                               |
| High Temperature Store      | Inductance change: Within $\pm 10\%$<br>Without distinct damage in appearance                 | Store temperature:<br>$+125 \pm 2^{\circ}\text{C}$ , $1000 + 4 / -0$ hours                                                                                                                                                                                                              |

## Tape Packaging Dimensions



| A0              | B0              | K0            | t                |
|-----------------|-----------------|---------------|------------------|
| $10.7 \pm 0.10$ | $12.0 \pm 0.10$ | $4.5 \pm 0.1$ | $0.35 \pm 0.025$ |

## Reel Dimensions

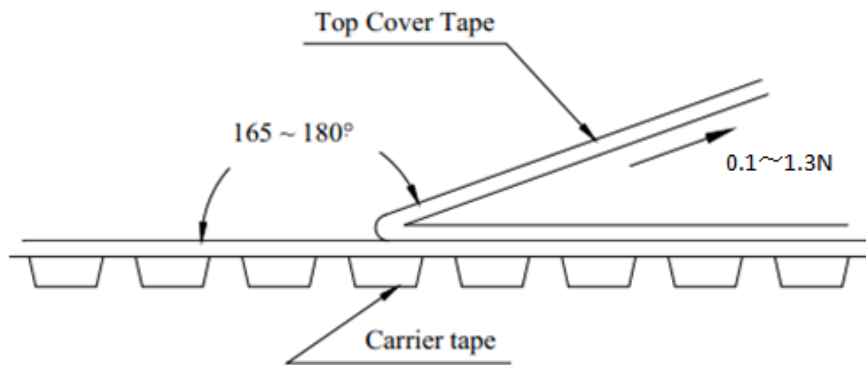


|    | A              | B             |
|----|----------------|---------------|
| mm | $24.5 \pm 0.2$ | $2.0 \pm 0.2$ |

- Peel force of top cover tape

The peel speed shall be about 300mm/minute

The peel force of top cover tape shall be between 0.1 to 1.3 N



- Numbers of taping

500pieces/reel

- Label making

The following items shall be marked on the production and shipping

Label on the reel

- Production Labe
- Part No
- Description
- Quantity
- Produce No
- Taping No

- Shipping Label

- (1)\*Customer's name
- (2)\*Customer's part No
- (3)Manufacturer's part No
- (4)Manufacturer's name
- (5) Manufacturer's country