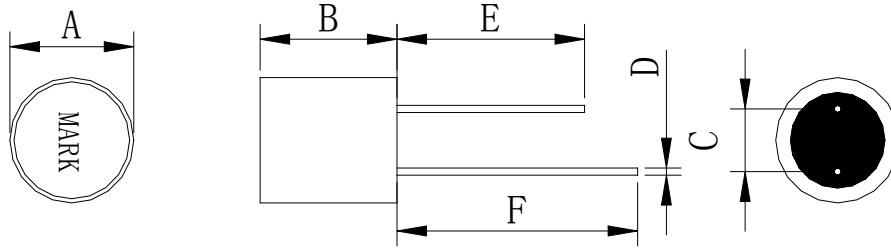


插件屏蔽功率电感

机械尺寸Mechanical: (UNIT: mm)



| TYPE | ØA (max) | B(max) | C | D | E | F |
|--------|----------|--------|------|------|-------|-------|
| LCP110 | 10.50 | 9.50 | 5.00 | 0.60 | 13.00 | 17.00 |
| LCP112 | 10.80 | 12.50 | 5.00 | 0.60 | 13.00 | 17.00 |
| LCP114 | 10.80 | 14.50 | 5.00 | 0.60 | 13.00 | 17.00 |
| LCP186 | 18.00 | 16.00 | 5.00 | 0.70 | 13.00 | 17.00 |

电气特性

| PART No. | NOMINAL INDUCTANCE (H) | DCR (Ω) MAX | IDC (A) MAX |
|-------------|-----------------------------|------------------|----------------|
| LCP110-100M | 10u | 18m | 1.00 |
| LCP110-150M | 15u | 20m | 810m |
| LCP110-180M | 18u | 22.5m | 765m |
| LCP110-220M | 22u | 25m | 630m |
| LCP110-270M | 27u | 26.8m | 495m |
| LCP110-330M | 33u | 34m | 470m |
| LCP110-390M | 39u | 36m | 390m |
| LCP110-470M | 47u | 46.5m | 370m |
| LCP110-560M | 56u | 49m | 325m |
| LCP110-680M | 68u | 55.5m | 290m |
| LCP110-820M | 82u | 61m | 270m |
| LCP110-101M | 100u | 69m | 230m |
| LCP110-121M | 120u | 75.8m | 210m |
| LCP110-151M | 150u | 95m | 200m |
| LCP110-181M | 180u | 105m | 175m |
| LCP110-221M | 220u | 115m | 160m |
| LCP110-271M | 270u | 150m | 140m |
| LCP110-331M | 330u | 195m | 115m |
| LCP110-390M | 390u | 210m | 108m |

| | | | |
|-------------|-----------------------------|------------------|----------------|
| LCP110-471M | 470u | 250m | 104m |
| LCP110-561M | 560u | 280m | 95m |
| LCP110-681M | 680u | 365m | 78m |
| LCP110-821M | 820u | 435m | 75m |
| LCP110-102M | 1.0m | 470m | 68m |
| LCP110-122M | 1.2m | 580m | 60m |
| LCP110-152M | 1.5m | 715m | 50m |
| LCP110-182M | 1.8m | 850m | 50m |
| LCP110-222M | 2.2m | 1.07 | 48m |
| LCP110-272M | 2.7m | 1.25 | 45m |
| LCP110-332M | 3.3m | 1.60 | 38m |
| LCP110-392M | 3.9m | 2.08 | 36m |
| LCP110-472M | 4.7m | 2.42 | 30m |
| PART No. | NOMINAL INDUCTANCE (H) | DCR (Ω) MAX | IDC (A) MAX |
| LCP112-100M | 10u | 26.8m | 3.30 |
| LCP112-120M | 12u | 29.5m | 3.00 |
| LCP112-150M | 15u | 32.8m | 2.80 |
| LCP112-180M | 18u | 36.5m | 2.50 |
| LCP112-220M | 22u | 45m | 2.25 |
| LCP112-270M | 27u | 50.5m | 2.00 |
| LCP112-330M | 33u | 68.5m | 1.87 |
| LCP112-390M | 39u | 76m | 1.63 |
| LCP112-470M | 47u | 85m | 1.50 |
| LCP112-560M | 56u | 94m | 1.44 |
| LCP112-680M | 68u | 103m | 1.28 |
| LCP112-820M | 82u | 125m | 1.20 |
| LCP112-101M | 100u | 170m | 1.11 |
| LCP112-121M | 120u | 186m | 930m |
| LCP112-151M | 150u | 210m | 840m |
| LCP112-181M | 180u | 235m | 810m |
| LCP112-221M | 220u | 300m | 725m |
| LCP112-271M | 270u | 420m | 640m |
| LCP112-331M | 330u | 475m | 590m |
| LCP112-390M | 390u | 600m | 540m |
| LCP112-471M | 470u | 668m | 500m |
| LCP112-561M | 560u | 855m | 435m |

| | | | |
|-------------|-----------------------------|------------------|----------------|
| LCP112-681M | 680u | 1. 08 | 390m |
| LCP112-821M | 820u | 1. 20 | 370m |
| LCP112-102M | 1. 0m | 1. 38 | 332m |
| LCP112-122M | 1. 2m | 1. 75 | 300m |
| LCP112-152M | 1. 5m | 2. 00 | 260m |
| LCP112-182M | 1. 8m | 2. 72 | 250m |
| LCP112-222M | 2. 2m | 3. 65 | 212m |
| LCP112-272M | 2. 7m | 4. 30 | 200m |
| LCP112-332M | 3. 3m | 6. 20 | 185m |
| LCP112-392M | 3. 9m | 6. 75 | 160m |
| LCP112-472M | 4. 7m | 7. 48 | 150m |
| LCP112-562M | 5. 6m | 9. 42 | 140m |
| LCP112-682M | 6. 8m | 10. 50 | 125m |
| LCP112-822M | 8. 2m | 15. 65 | 110m |
| LCP112-103M | 10. 0m | 18. 00 | 105m |
| PART No. | NOMINAL INDUCTANCE (H) | DCR (Ω) MAX | IDC (A) MAX |
| LCP114-100M | 10u | 28. 5m | 4. 5 |
| LCP114-120M | 12u | 30. 5m | 4 |
| LCP114-150M | 15u | 40m | 3. 65 |
| LCP114-180M | 18u | 54m | 3. 2 |
| LCP114-220M | 22u | 60m | 3. 2 |
| LCP114-270M | 27u | 65. 5m | 2. 7 |
| LCP114-330M | 33u | 70m | 2. 4 |
| LCP114-390M | 39u | 78m | 2. 25 |
| LCP114-470M | 47u | 86m | 2. 1 |
| LCP114-560M | 56u | 93. 5m | 1. 9 |
| LCP114-680M | 68u | 102m | 1. 75 |
| LCP114-820M | 82u | 124m | 1. 65 |
| LCP114-101M | 100u | 158m | 1. 45 |
| LCP114-121M | 120u | 222m | 1. 25 |
| LCP114-151M | 150u | 248m | 1. 18 |
| LCP114-181M | 180u | 345m | 1. 08 |
| LCP114-221M | 220u | 440m | 920m |
| LCP114-271M | 270u | 488m | 870m |
| LCP114-331M | 330u | 650m | 800m |
| LCP114-390M | 390u | 835m | 740m |

| | | | |
|-------------|-------|-------|------|
| LCP114-471M | 470u | 902m | 670m |
| LCP114-561M | 560u | 1.21 | 610m |
| LCP114-681M | 680u | 1.33 | 555m |
| LCP114-821M | 820u | 1.45 | 510m |
| LCP114-102M | 1.0m | 2.05 | 468m |
| LCP114-122M | 1.2m | 2.25 | 435m |
| LCP114-152M | 1.5m | 2.50 | 375m |
| LCP114-182M | 1.8m | 2.80 | 350m |
| LCP114-222M | 2.2m | 3.90 | 300m |
| LCP114-272M | 2.7m | 4.28 | 275m |
| LCP114-332M | 3.3m | 7.68 | 260m |
| LCP114-392M | 3.9m | 8.35 | 235m |
| LCP114-472M | 4.7m | 9.10 | 215m |
| LCP114-562M | 5.6m | 10.20 | 195m |
| LCP114-682M | 6.8m | 15.40 | 180m |
| LCP114-822M | 8.2m | 16.90 | 160m |
| LCP114-103M | 10.0m | 23.50 | 150m |

※ 测试条件： $L \leq 8.2\mu\text{H}$ 测试频率100KHz / 0.25V, ($N \pm 30\%$);

$L > 8.2\mu\text{H}$ 测试频率1KHz / 0.25V, ($M \pm 20\%$);

※ 测试仪表：HP4291B、502BC、CH1062。

电气参数

| 项 目 | 性 能 | 试 验 方 法 |
|--------|-----------------------------|--|
| 直流叠加特性 | 加额定电流时电感值的变化为初始值的35%以内 | 用LCR及相应的偏置电源测定 |
| 温度变化 | 40℃以内 | 加额定电流，用表面温度计测其温度 |
| 过载试验 | 产品主体不发生表面碎裂、烧焦、终端无松动，无开路等现象 | 施2倍的额定电流持续5分钟。 |
| 绝缘电阻 | 100MΩ以上 | 在磁心与绕组间施加100V直流电压持续5分钟后 |
| 使用温度 | 包括产品自身发热温度 | -40℃~100℃ |
| 存储温度特性 | 产品外观无异常特性规格范围内 | -40℃~100℃ |
| 耐湿特性 | 产品外观无异常特性规格范围内 | 1.温度：40 ± 2℃； 2.湿度：90%~95%； 3.时间：96 ± 2小时。 |