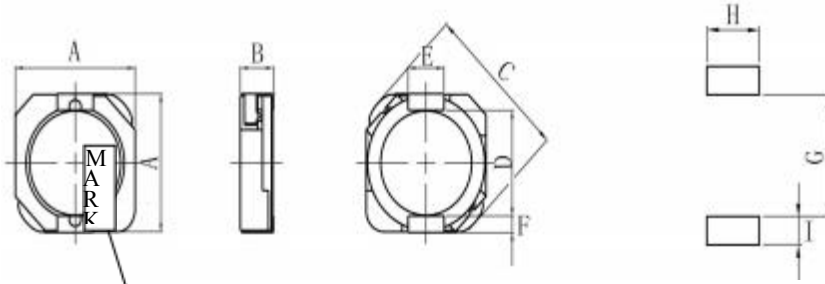


## SMD屏蔽功率电感

### 机械尺寸Mechanical: (UNIT: mm)



注: 印字宋体

| TYPE    | A(max) | B(max) | C(Max) | D   | E   | F   | G   | H   | I   |
|---------|--------|--------|--------|-----|-----|-----|-----|-----|-----|
| CDH103R | 10.5   | 3.1    | 13.5   | 7.7 | 3.0 | 1.2 | 7.3 | 3.2 | 1.6 |
| CDH104R | 10.5   | 4.0    | 13.5   | 7.7 | 3.0 | 1.2 | 7.3 | 3.2 | 1.6 |
| CDH105R | 10.5   | 5.1    | 13.5   | 7.7 | 3.0 | 1.2 | 7.3 | 3.2 | 1.6 |

### 电气特性

| PART No.     | NOMINAL<br>INDUCTANCE<br>( $\mu\text{H}$ ) | DCR<br>( $\Omega$ )MAX | IDC<br>(A)MAX |
|--------------|--|------------------------|---------------|
| CDH103R-1R2N | 1.2  | 12.00m                 | 4.80          |
| CDH103R-1R8N | 1.8  | 14.00m                 | 4.50          |
| CDH103R-2R2N | 2.2  | 16.00m                 | 4.30          |
| CDH103R-2R7N | 2.7  | 18.00m                 | 4.10          |
| CDH103R-3R9N | 3.9  | 22.00m                 | 3.76          |
| CDH103R-6R8N | 6.8  | 36.00m                 | 3.10          |
| CDH103R-8R2N | 8.2  | 42.00m                 | 3.00          |
| CDH103R-100M | 10   | 52.00m                 | 2.80          |
| CDH103R-150M | 15   | 62.00m                 | 2.10          |
| CDH103R-220M | 22   | 91.00m                 | 1.80          |
| CDH103R-330M | 33   | 150.00m                | 1.53          |
| CDH103R-470M | 47   | 208.00m                | 1.34          |
| CDH103R-560M | 56   | 228.00m                | 1.19          |
| CDH103R-680M | 68   | 289.00m                | 1.13          |
| CDH103R-820M | 82   | 312.00m                | 1.04          |
| CDH103R-101M | 100  | 377.00m                | 960m          |
| CDH103R-121M | 120  | 449.00m                | 882m          |
| CDH103R-151M | 150  | 607.00m                | 747m          |

|              |                                   |                        |               |
|--------------|-----------------------------------|------------------------|---------------|
| CDH103R-181M | 180                               | 676.00m                | 688m          |
| CDH103R-221M | 220                               | 826.00m                | 666m          |
| CDH103R-271M | 270                               | 933.00m                | 580m          |
| CDH103R-331M | 330                               | 1.14                   | 513m          |
| CDH103R-391M | 390                               | 1.43                   | 490m          |
| CDH103R-471M | 470                               | 1.61                   | 450m          |
| PART No.     | NOMINAL<br>INDUCTANCE ( $\mu$ H ) | DCR<br>( $\Omega$ )MAX | IDC<br>(A)MAX |
| CDH104R-1R2N | 1.2                               | 15.50m                 | 5.40          |
| CDH104R-2R2N | 2.2                               | 17.00m                 | 4.95          |
| CDH104R-3R3N | 3.3                               | 22.00m                 | 4.35          |
| CDH104R-3R9N | 3.9                               | 26.00m                 | 4.05          |
| CDH104R-4R7N | 4.7                               | 28.00m                 | 3.90          |
| CDH104R-5R6N | 5.6                               | 33.00m                 | 3.80          |
| CDH104R-6R8N | 6.8                               | 43.00m                 | 3.50          |
| CDH104R-100M | 10                                | 60.00m                 | 3.15          |
| CDH104R-150M | 15                                | 78.00m                 | 2.90          |
| CDH104R-220M | 22                                | 107.00m                | 2.50          |
| CDH104R-270M | 27                                | 114.00m                | 2.30          |
| CDH104R-330M | 33                                | 133.00m                | 2.00          |
| CDH104R-390M | 39                                | 143.00m                | 1.90          |
| CDH104R-470M | 47                                | 241.00m                | 1.80          |
| CDH104R-560M | 56                                | 260.00m                | 1.62          |
| CDH104R-680M | 68                                | 338.00m                | 1.35          |
| CDH104R-820M | 82                                | 384.00m                | 1.26          |
| CDH104R-101M | 100                               | 429.00m                | 1.17          |
| CDH104R-121M | 120                               | 455.00m                | 1.10          |
| CDH104R-151M | 150                               | 611.00m                | 1.05          |
| CDH104R-221M | 220                               | 939.00m                | 900m          |
| CDH104R-271M | 270                               | 1.17                   | 720m          |
| CDH104R-331M | 330                               | 1.30                   | 530m          |
| CDH104R-391M | 390                               | 1.56                   | 450m          |
| CDH104R-471M | 470                               | 1.76                   | 405m          |
| PART No.     | NOMINAL<br>INDUCTANCE ( $\mu$ H ) | DCR<br>( $\Omega$ )MAX | IDC<br>(A)MAX |
| CDH105R-1R2N | 1.2                               | 12.00m                 | 8.30          |
| CDH105R-1R5N | 1.5                               | 14.00m                 | 8.30          |

|              |     |         |      |
|--------------|-----|---------|------|
| CDH105R-2R2N | 2.2 | 16.00m  | 7.50 |
| CDH105R-3R3N | 3.3 | 19.50m  | 6.50 |
| CDH105R-4R7N | 4.7 | 28.00m  | 5.50 |
| CDH105R-5R6N | 5.6 | 30.00m  | 4.50 |
| CDH105R-6R8N | 6.8 | 36.00m  | 4.90 |
| CDH105R-100M | 10  | 51.00m  | 4.00 |
| CDH105R-150M | 15  | 57.00m  | 3.30 |
| CDH105R-180M | 18  | 59.00m  | 3.10 |
| CDH105R-220M | 22  | 82.00m  | 2.90 |
| CDH105R-330M | 33  | 95.00m  | 2.60 |
| CDH105R-470M | 47  | 183.00m | 2.00 |
| CDH105R-560M | 56  | 205.00m | 1.80 |
| CDH105R-680M | 68  | 234.00m | 1.60 |
| CDH105R-820M | 82  | 247.00m | 1.40 |
| CDH105R-101M | 100 | 325.00m | 1.35 |
| CDH105R-151M | 150 | 403.00m | 1.10 |
| CDH105R-181M | 180 | 527.00m | 1.00 |
| CDH105R-221M | 220 | 658.00m | 940m |
| CDH105R-331M | 330 | 775.00m | 600m |
| CDH105R-471M | 470 | 1.30    | 540m |

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

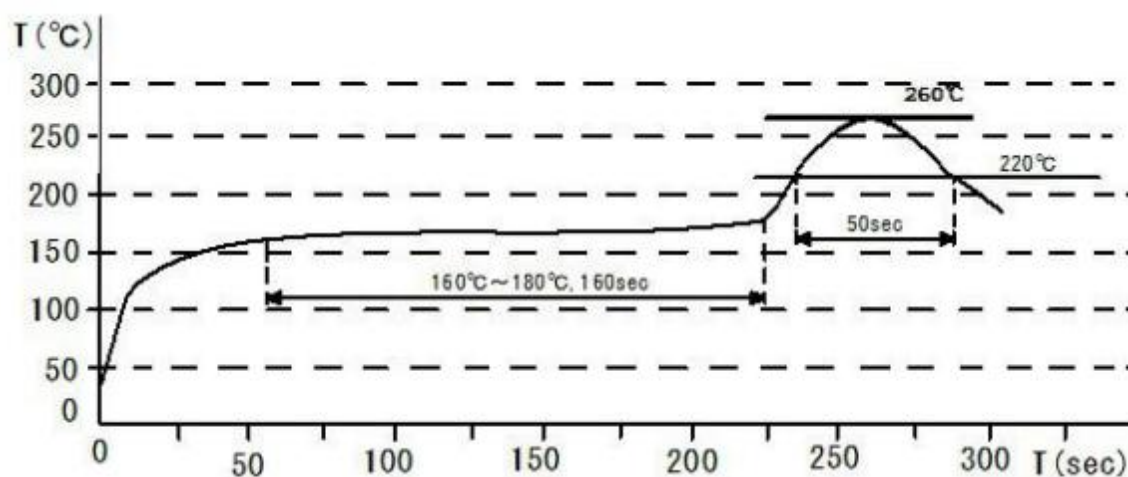
$L > 8.2\mu\text{H}$  测试频率1KHz / 0.25V, ( $M \pm 20\%$ );

※ 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℃；<br>2. 湿度：90%~95%；<br>3. 时间：96 ± 2小时。 |

## 推荐焊接温度曲线图



**LEAD-FREE**

