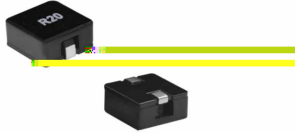


FHC Series

SMD Flat Wire High Current Inductor

Size 1040



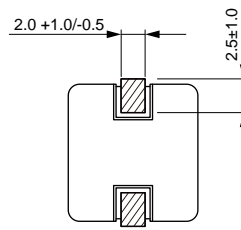
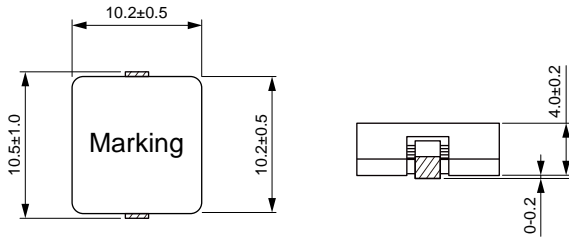
CHARACTERISTICS

- Low Rdc with flat wire design
- Low copper losses at high frequency
- Magnetic shielded structure
- Quantity: 800pcs

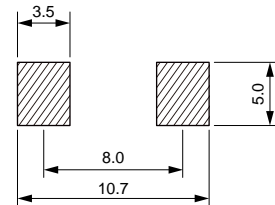
APPLICATION

- High current DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

| Part No | Inductance | Tolerance | Temperature Rise Current | Current | DC Resistance Typ. | DC Resistance Max. |
|--------------|------------|-----------|--------------------------|---------|--------------------|--------------------|
| FHC1040-R15M | 0.15 | ±20% | 25.0 | 60.0 | 0.58 | 0.60 |
| FHC1040-R30M | 0.30 | ±20% | 22.0 | 50.0 | 1.10 | 1.20 |
| FHC1040-R56M | 0.56 | ±20% | 20.0 | 30.0 | 1.60 | 1.80 |
| FHC1040-1R0M | 1.00 | ±20% | 16.0 | 20.0 | 3.30 | 3.60 |
| FHC1040-1R5M | 1.50 | ±20% | 14.0 | 17.0 | 5.30 | 5.80 |
| FHC1040-2R0M | 2.00 | ±20% | 11.0 | 13.0 | 7.30 | 8.00 |
| FHC1040-2R8M | 2.80 | ±20% | 9.50 | 11.0 | 10.6 | 11.7 |
| FHC1040-4R3M | 4.30 | ±20% | 8.00 | 8.00 | 14.1 | 15.5 |
| FHC1040-5R6M | 5.60 | ±20% | 6.70 | 7.50 | 20.6 | 22.7 |

Operating Temperature: -40°C to $+125^{\circ}\text{C}$

Temperature Rise Current: the actual value of DC current when the temperature rise is $T50^{\circ}\text{C}$

Saturation Current that will cause initial inductance to drop approximately 30%

Typical Electrical Characteristics:

