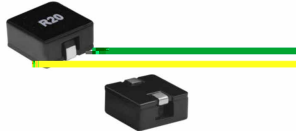


FHC Series

SMD Flat Wire High Current Inductor

Size 1350



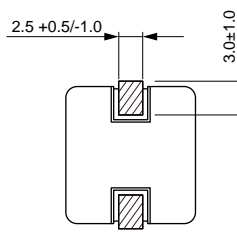
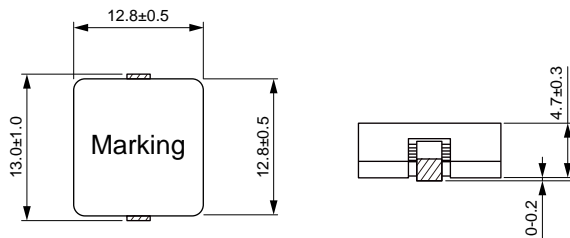
CHARACTERISTICS

-
-
-
- Quantity: 400pcs
- Magnetic shielded structure

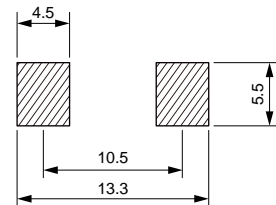
APPLICATION

-
- High current DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

| Part No | Inductance (μH) | Tolerance | Temperature Rise Current (A) | Saturation Current (A) | DC Resistance Typ. (mΩ) | DC Resistance Max. (mΩ) |
|--------------|-----------------|-----------|------------------------------|------------------------|-------------------------|-------------------------|
| FHC1350-R19M | 0.19 | ±20% | 29.0 | 60.0 | 0.50 | 0.55 |
| FHC1350-R47M | 0.47 | ±20% | 26.0 | 50.0 | 0.90 | 0.99 |
| FHC1350-R90M | 0.90 | ±20% | 24.0 | 28.0 | 1.60 | 1.76 |
| FHC1350-1R4M | 1.40 | ±20% | 22.0 | 26.0 | 2.40 | 2.64 |
| FHC1350-2R3M | 2.30 | ±20% | 17.5 | 17.0 | 3.70 | 4.07 |
| FHC1350-3R2M | 3.20 | ±20% | 16.0 | 15.0 | 5.30 | 5.83 |
| FHC1350-4R8M | 4.80 | ±20% | 11.0 | 13.0 | 10.5 | 11.6 |
| FHC1350-8R2M | 8.20 | ±20% | 10.0 | 11.0 | 11.6 | 12.8 |
| FHC1350-100M | 10.0 | ±20% | 8.50 | 10.0 | 14.1 | 15.5 |

Operating Temperature: -40 °C to +125 °C

Temperature Rise Current: the actual value of DC current when the temperature rise is $T_{50}^{\circ}\text{C}$

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

