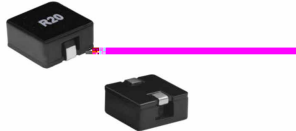


# FHC Series

## SMD Flat Wire High Current Inductor

### Size 1350



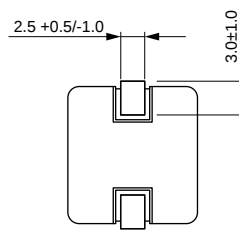
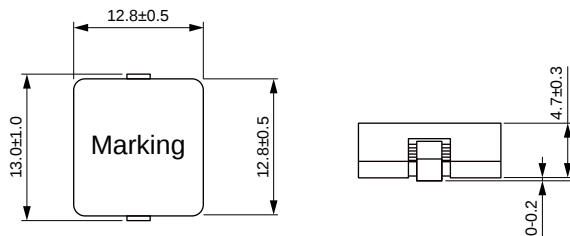
#### CHARACTERISTICS

- 
- 
- 
- 
- Magnetic shielded structure

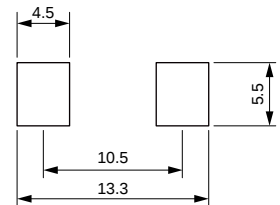
#### APPLICATION

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- 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. |
|--------------|------------|-----------|--------------------------|---------|--------------------|--------------------|
| 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 ΔT50 °C

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

