



FHC Series

SMD Flat Wire High Current Inductor

Size 1365

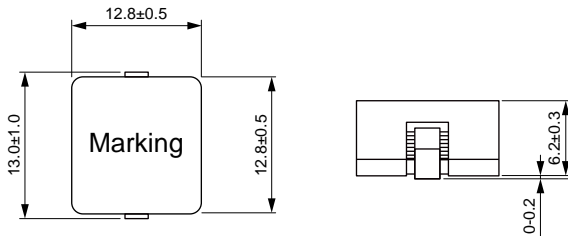
CHARACTERISTICS

- Low Rdc with flat wire design
- Low copper losses at high frequency
- Magnetic shielded structure
- Quantity: 400pcs

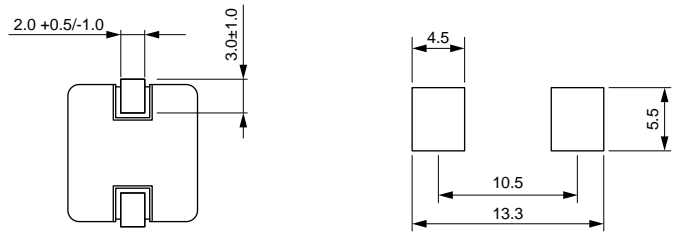
APPLICATION

- High current DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



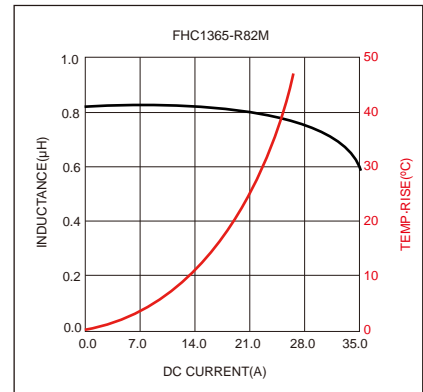
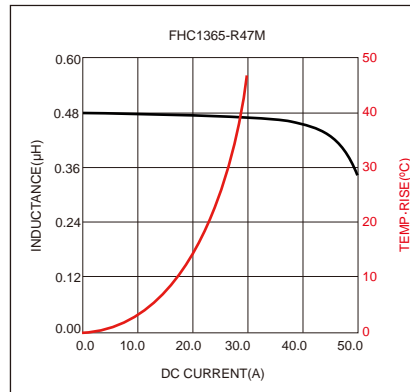
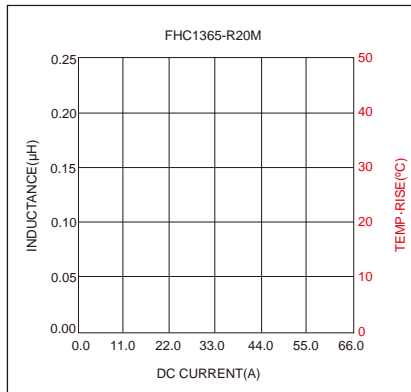
Electrical Properties:

| | (μH) | Saturation | | | |
|--|------|------------|------|------|------|
| | | (A) | (A) | (mV) | (mV) |
| | ±20% | 32.0 | 65.0 | 0.35 | 0.40 |
| | ±20% | 30.0 | 50.0 | 0.67 | 0.85 |
| | ±20% | | 35.0 | 0.90 | 1.10 |
| | ±20% | | 25.0 | 1.80 | 2.00 |
| | ±20% | | 22.0 | 2.60 | 2.90 |
| | ±20% | | 17.5 | 3.30 | 3.60 |
| | ±20% | | 16.0 | 4.90 | 5.40 |
| | ±20% | | 15.0 | 7.00 | 7.70 |
| | ±20% | | 14.0 | 8.40 | 9.20 |
| | ±20% | | 12.0 | 5.90 | 6.50 |
| | ±20% | | 10.5 | 7.80 | 8.60 |
| | ±20% | | 9.50 | 9.10 | 10.0 |
| | ±20% | | 9.00 | 11.2 | 12.3 |



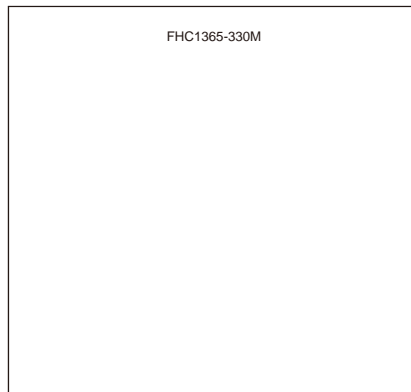
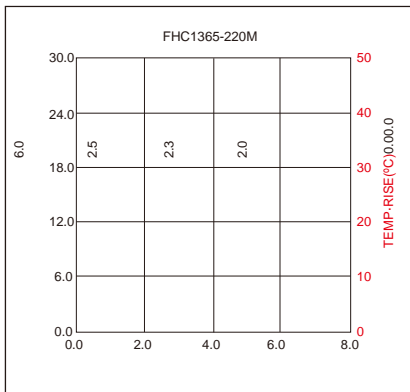
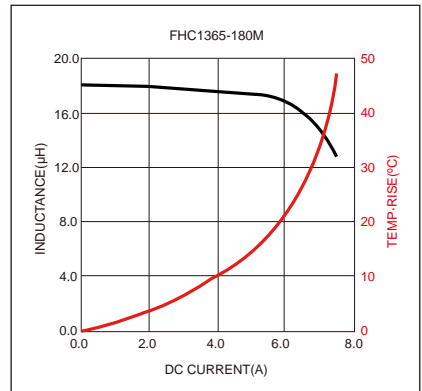
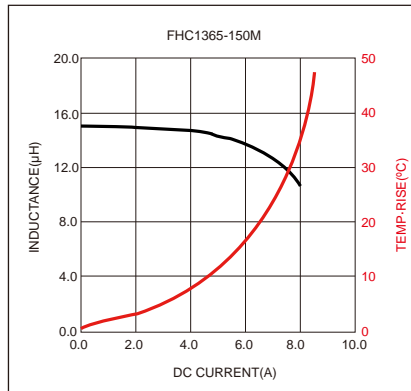
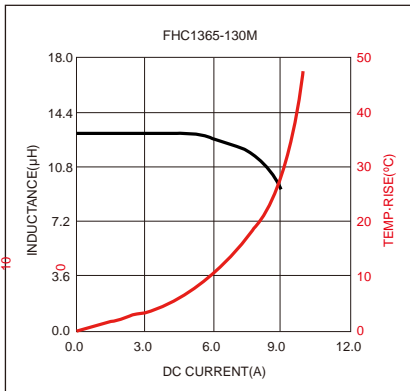
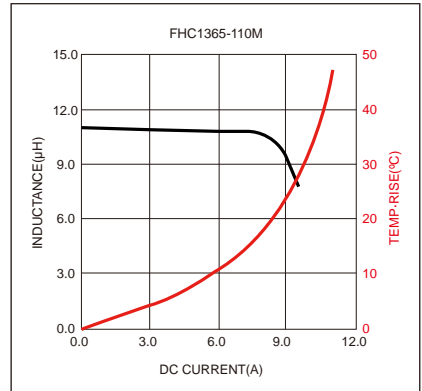
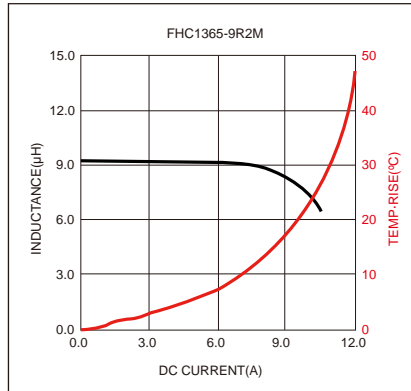
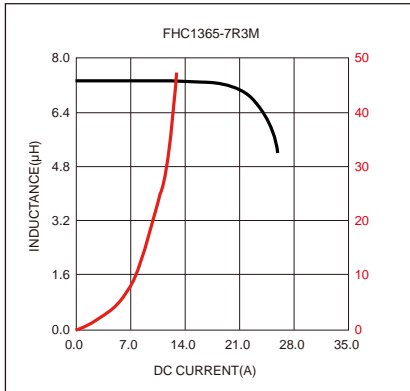
Test Frequency : Inductance : 100KHz /0.1V.
Operating Temperature : -40 °C to +125 °C
Temperature Rise Current: the actual value of DC current when the temperature rise is $\Delta T=50^{\circ}\text{C}$
Saturation Current that will cause initial inductance to drop approximately 30%

Typical Electrical Characteristics:





Typical Electrical Characteristics:



30
20
10
0

2.02.7