

FHC Series
SMD Flat Wire High Current Inductor
Size 7030



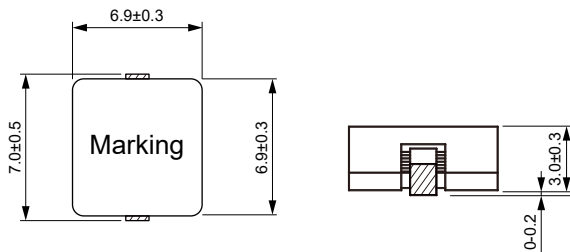
CHARACTERISTICS

- Low Rdc with flat wire design
- Low cooper losses at high frequency
- Magnetic shielded structure
- Quantity: 1500pcs

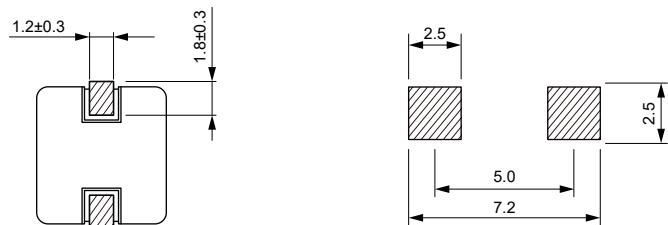
APPLICATION

- 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) |
|--------------|-----------------|-----------|------------------------------|------------------------|-------------------------|-------------------------|
| FHC7030-R13M | 0.13 | ±20% | 22.0 | 48.0 | 0.91 | 1.00 |
| FHC7030-R22M | 0.22 | ±20% | 18.0 | 40.0 | 1.80 | 1.98 |
| FHC7030-R52M | 0.52 | ±20% | 14.0 | 20.0 | 3.70 | 4.07 |
| FHC7030-R95M | 0.95 | ±20% | 11.0 | 13.0 | 6.20 | 6.82 |
| FHC7030-1R2M | 1.20 | ±20% | 8.50 | 13.0 | 8.60 | 9.46 |
| FHC7030-1R5M | 1.50 | ±20% | 7.50 | 12.0 | 12.7 | 14.0 |
| FHC7030-2R0M | 2.00 | ±20% | 6.50 | 9.00 | 14.2 | 15.6 |
| FHC7030-3R3M | 3.30 | ±20% | 6.00 | 7.00 | 18.6 | 21.0 |

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%

Typical Electrical Characteristics:

