

FHC Series
SMD Flat Wire High Current Inductor
Size 1030



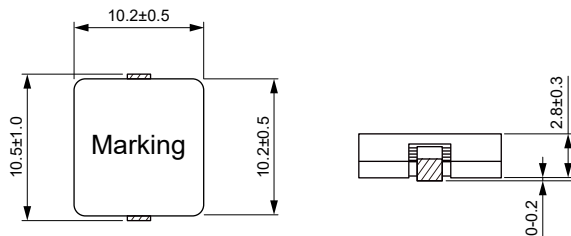
CHARACTERISTICS

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

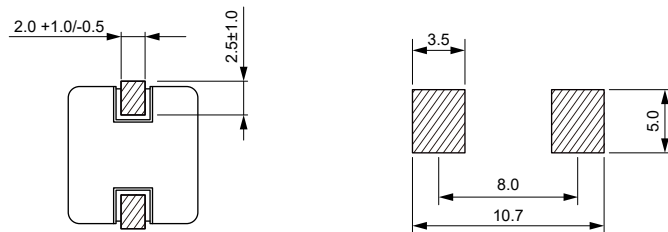
APPLICATION

- High current DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance (μH)	Tolerance	Temperature Rise Current (A)	Saturation Current (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
FHC1030-R20M	0.20	±20%	22.0	50.0	0.82	0.98
FHC1030-R33M	0.33	±20%	18.0	36.0	2.17	2.50
FHC1030-R56M	0.56	±20%	18.0	30.0	2.17	2.50
FHC1030-R68M	0.68	±20%	14.0	23.0	4.79	5.40
FHC1030-1R0M	1.00	±20%	14.0	21.0	4.79	5.40
FHC1030-1R2M	1.20	±20%	12.0	20.0	6.60	7.40
FHC1030-1R5M	1.50	±20%	12.0	18.0	6.60	7.40
FHC1030-2R2M	2.20	±20%	9.00	15.0	11.4	12.5

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%

Typical Electrical Characteristics:

