

FHC Series

SMD Flat Wire High Current Inductor

Size 1365

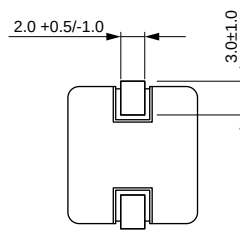
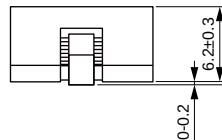
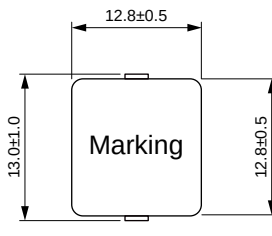
CHARACTERISTICS

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

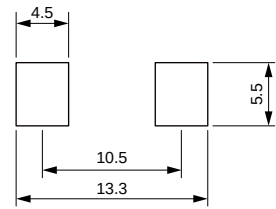
APPLICATION

- High current DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Inductance (μ H)	Tolerance	Temperature Rise current (A)	Saturation current (A)	D Resistance Typ. (m Ω)	D Resistance Max. (m Ω)
	±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

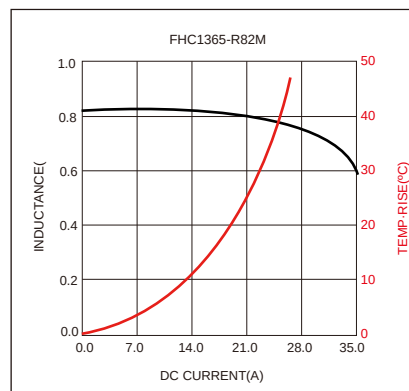
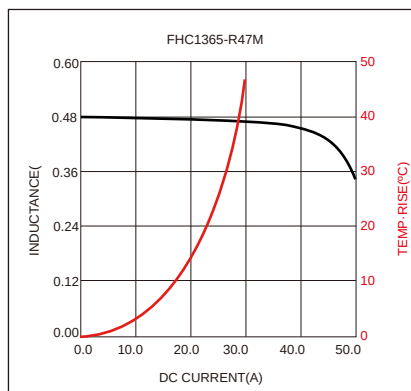
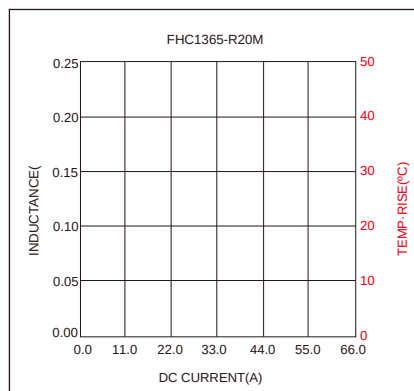
Test Frequency : Inductance : 100KHz /0.1V.

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:



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