FHC Series

SMD Flat Wire High Current Inductor

Size 1365

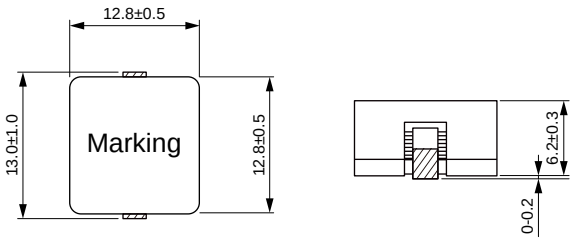
CHARACTERISTICS

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

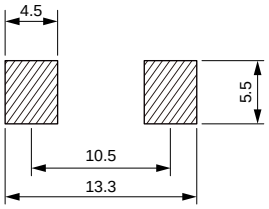
APPLICATION

- High current DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Inductance (μH)	Tolerance	Temperature Rise Current (A)	Satura on Current (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
	±20%	32.0	65.0	0.35	0.40
	±20%	30.0	50.0	0.67	0.85
	±20%	27.0	35.0	0.90	1.10
	±20%	25.0	25.0	1.80	2.00
	±20%	23.0	22.0	2.60	2.90
	±20%	20.0	17.5	3.30	3.60
	±20%	17.0	16.0	4.90	5.40
	±20%	13.0	15.0	7.00	7.70
	±20%	12.0	14.0	8.40	9.20
	±20%	13.0	12.0	5.90	6.50
	±20%	12.0	10.5	7.80	8.60
	±20%	11.0	9.50	9.10	10.0
	±20%	10.0	9.00	11.2	12.3

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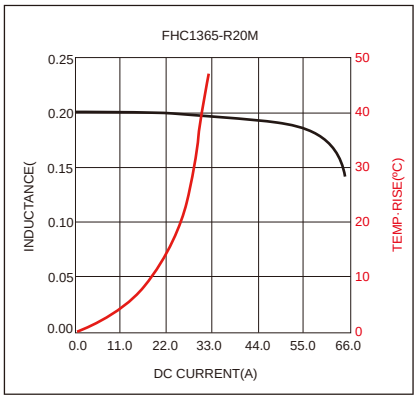
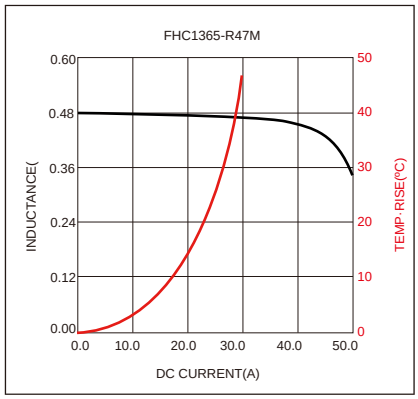
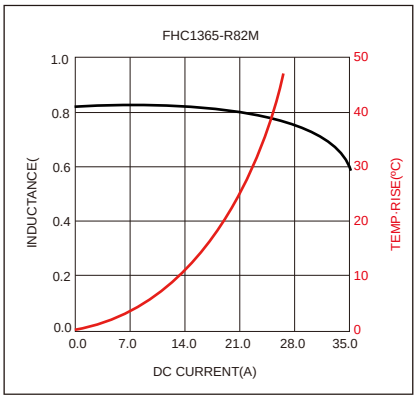
Part No	Inductance (μH)	Tolerance	Temperature Rise Current (A)	Satura on Current (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
FHC1365-150M	15.0	±20%	9.00	8.00	14.8	16.3
FHC1365-180M	18.0	±20%	7.50	7.50	22.0	24.2
FHC1365-220M	22.0	±20%	6.00	6.50	24.7	27.2
FHC1365-330M	33.0	±20%	5.50	5.50	30.5	33.6

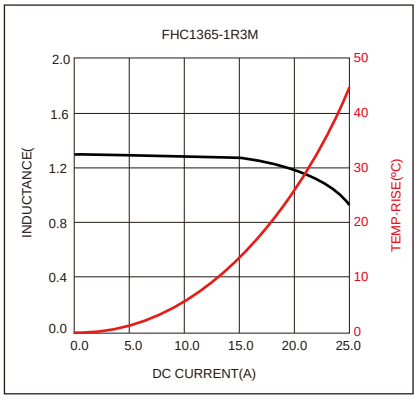
Test Frequency : Inductance : 100KHz /0.1V.
Operating Temperature : -40 ℃ to +125 ℃
Temperature Rise Current: the actual value of DC current when the temperature rise is ΔT50 ℃
Saturation Current that will cause initial inductance to drop approximately 30%

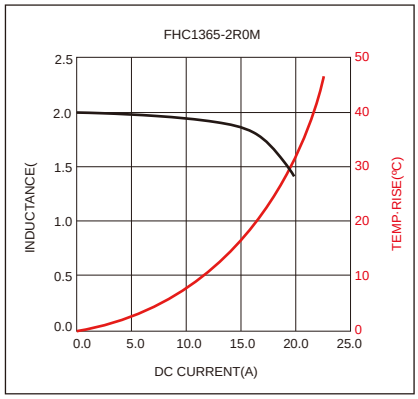
Typical Electrical Characteristics:

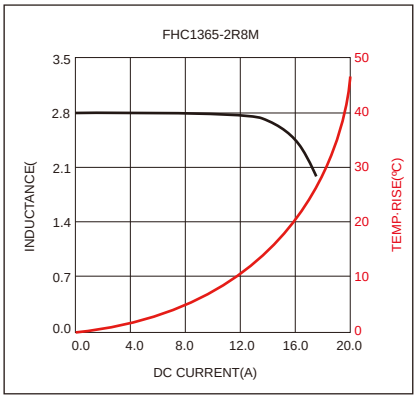


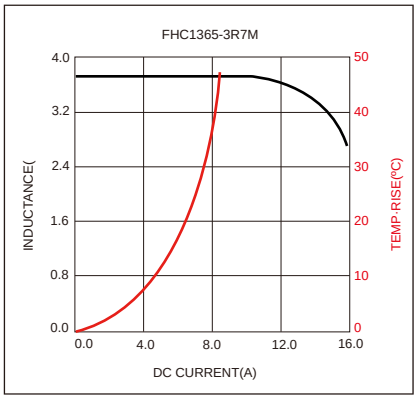


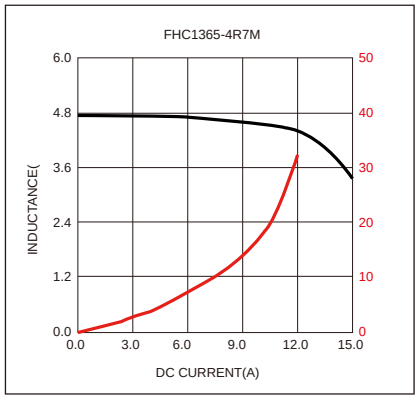


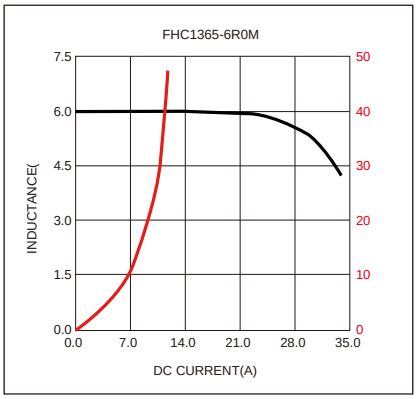












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