

FHC Series
SMD Flat Wire High Current Inductor
Size 7040



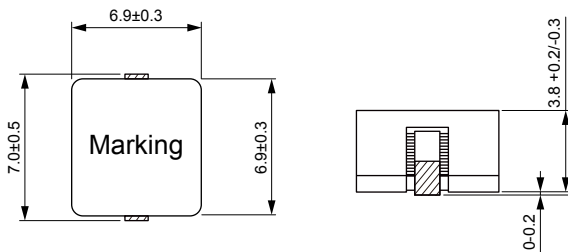
CHARACTERISTICS

- Low Rdc with flat wire design
- Low cooper losses at high frequency
- Magnetic shielded structure
- Quantity: 1000pcs

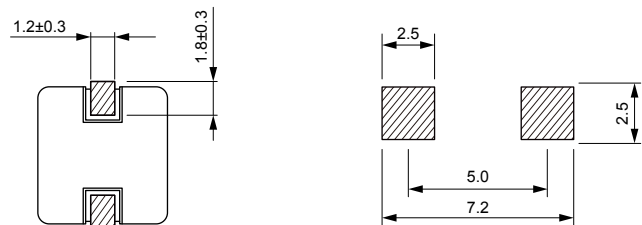
APPLICATION

- High current DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

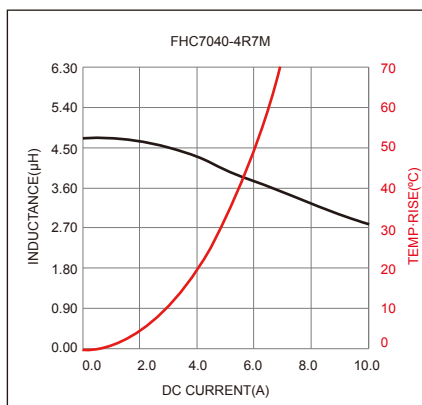
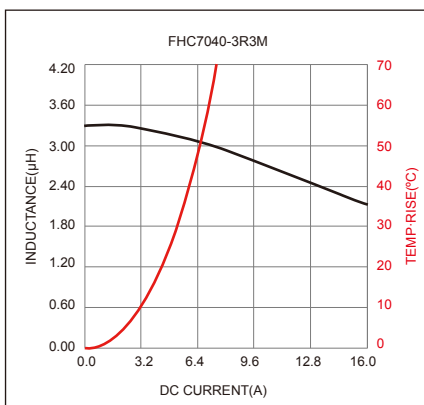
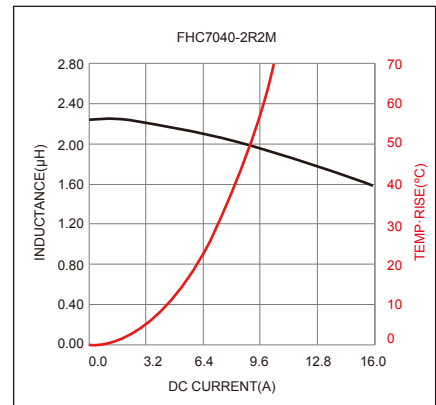
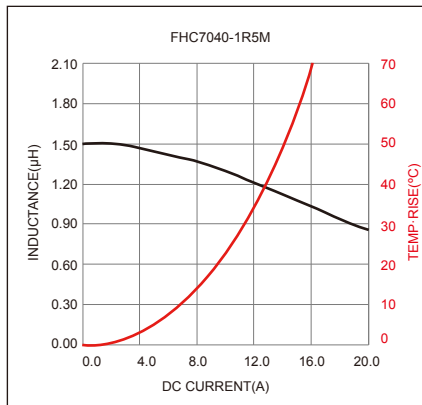
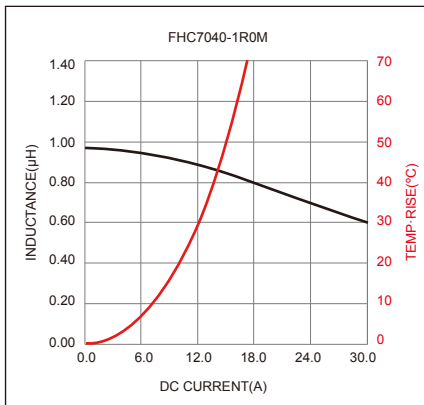
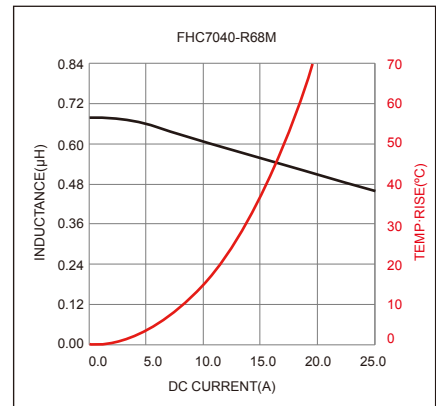
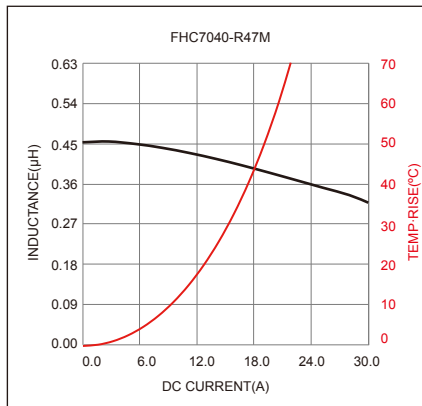
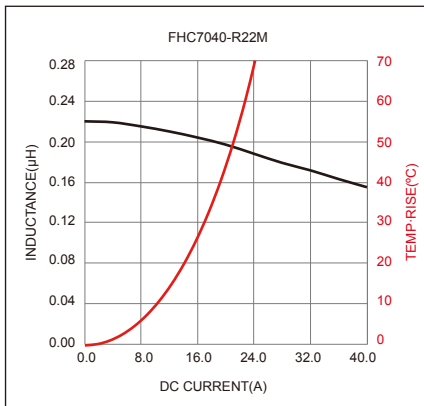
Part No	Inductance (μH)	Tolerance	Temperature Rise Current (A)	Saturation Current (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
FHC7040-R22M	0.22	±20%	21.0	32.0	1.18	1.30
FHC7040-R47M	0.47	±20%	19.0	25.0	1.85	2.04
FHC7040-R68M	0.68	±20%	17.0	20.0	3.10	3.40
FHC7040-1R0M	1.00	±20%	15.0	19.0	4.60	5.10
FHC7040-1R5M	1.50	±20%	11.0	14.0	6.60	7.30
FHC7040-2R2M	2.20	±20%	9.00	13.0	11.4	12.5
FHC7040-3R3M	3.30	±20%	6.50	11.0	17.2	18.5
FHC7040-4R7M	4.70	±20%	6.00	7.00	19.5	21.5

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:



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