

**FHC Series**  
**SMD Flat Wire High Current Inductor**  
**Size 7030**



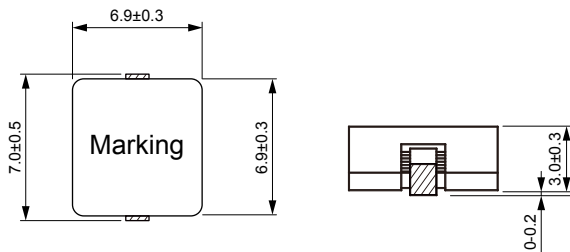
**CHARACTERISTICS**

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

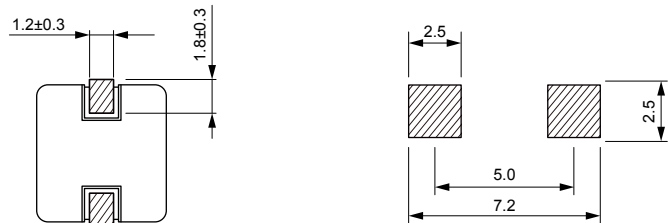
**APPLICATION**

- High current DC/DC converter
- LC filter

**Dimensions: [mm]**



**Land Pattern: [mm]**



**Electrical Properties:**

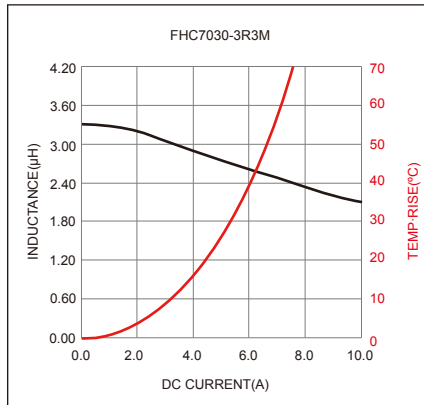
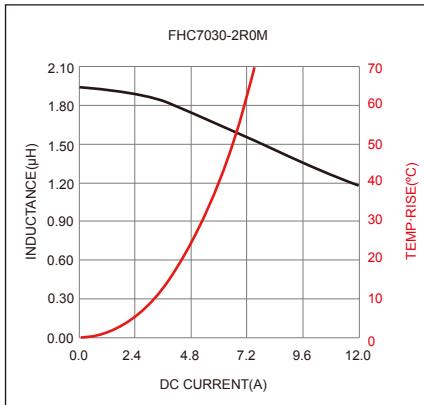
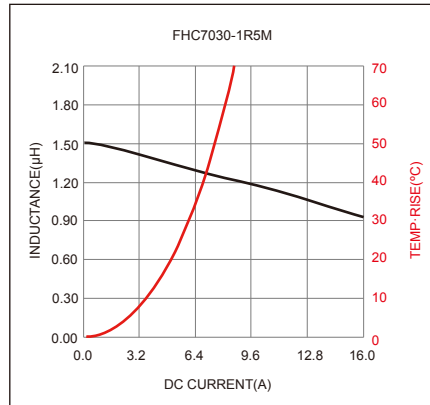
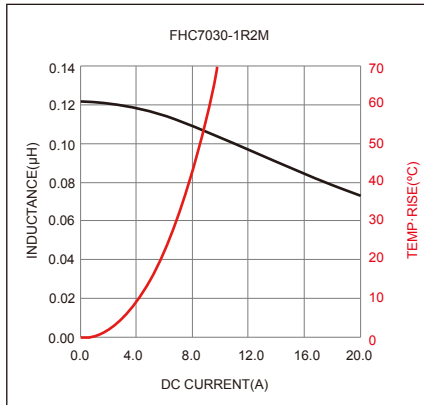
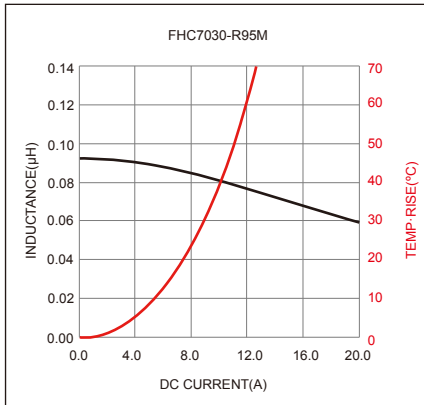
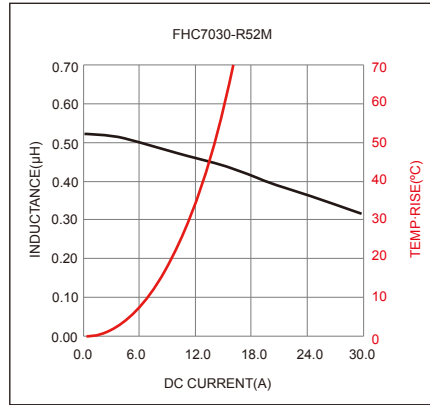
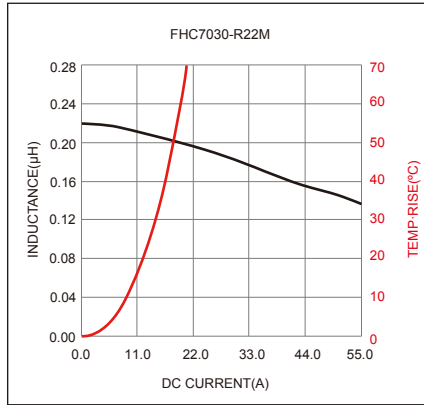
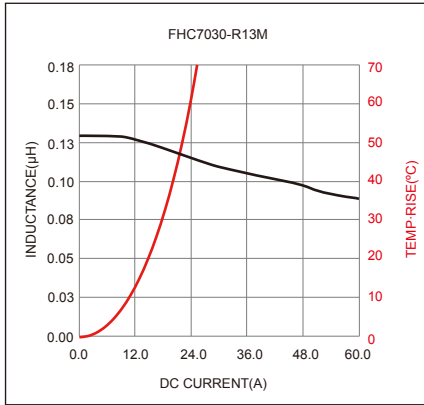
Part No	Inductance (μH)	Tolerance	Temperature Rise Current (A)	Saturation Current (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
FHC7030-R13M	0.13	±20%	22.0	48.0	0.91	1.00
FHC7030-R22M	0.22	±20%	18.0	40.0	1.80	1.98
FHC7030-R52M	0.52	±20%	14.0	20.0	3.70	4.07
FHC7030-R95M	0.95	±20%	11.0	13.0	6.20	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:



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