

**FHC Series**  
**SMD Flat Wire High Current Inductor**  
**Size 7050**



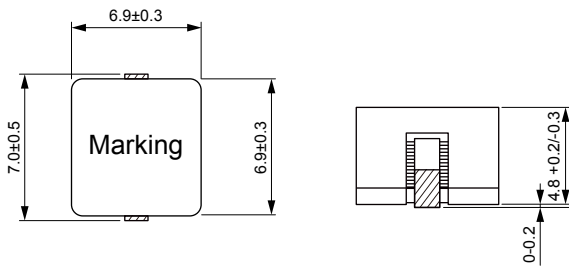
**CHARACTERISTICS**

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

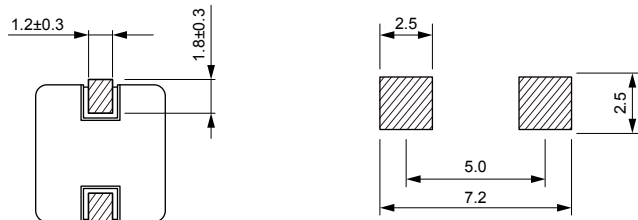
**APPLICATION**

- High current DC/DC converter
- LC filter

**Dimensions: [mm]**



**Land Pattern: [mm]**



**Electrical Properties:**

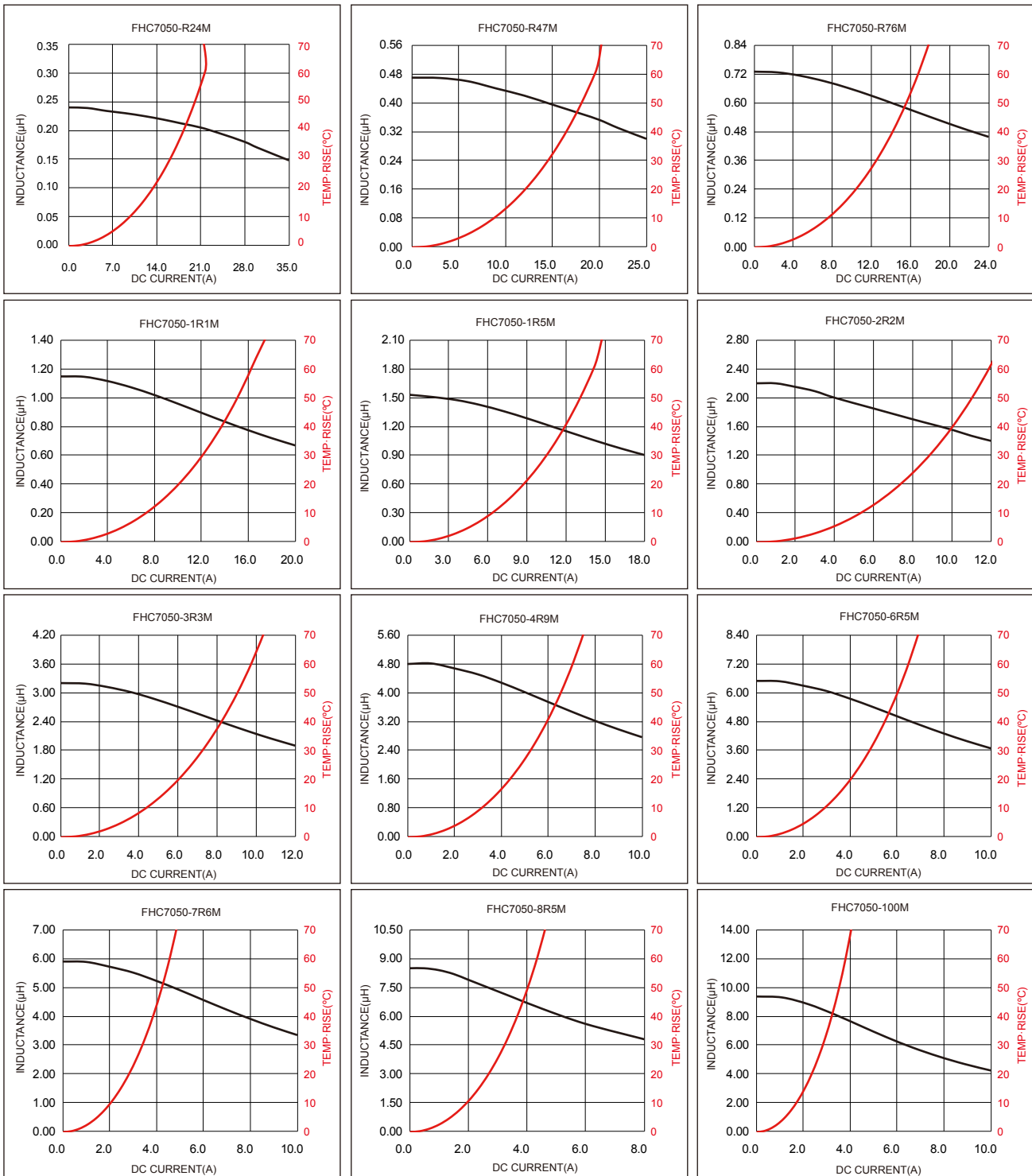
Part No	Inductance (μH)	Tolerance	Temperature Rise Current (A)	Saturation Current (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
FHC7050-R24M	0.24	±20%	20.0	28.0	1.00	1.10
FHC7050-R47M	0.47	±20%	18.0	20.0	1.35	1.49
FHC7050-R76M	0.76	±20%	15.5	15.0	2.25	2.48
FHC7050-1R1M	1.10	±20%	15.0	13.0	3.15	3.47
FHC7050-1R5M	1.50	±20%	13.0	11.0	4.30	4.73
FHC7050-2R2M	2.20	±20%	11.0	9.00	5.85	6.44
FHC7050-3R3M	3.30	±20%	9.00	8.00	9.00	9.90
FHC7050-4R9M	4.90	±20%	6.50	6.50	14.5	16.0
FHC7050-6R5M	6.50	±20%	6.00	6.00	21.5	23.7
FHC7050-7R6M	7.60	±20%	4.20	4.80	28.2	31.0
FHC7050-8R5M	8.50	±20%	4.00	4.50	30.5	33.6
FHC7050-100M	10.0	±20%	3.50	4.00	33.0	36.3

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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