

**THC Series**  
**SMD High Current Inductor**  
**Size 2818**



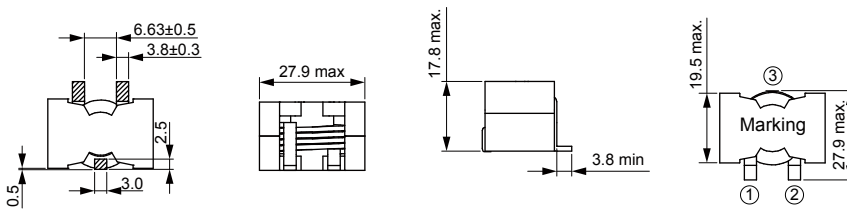
**CHARACTERISTICS**

- High saturation current up to 100A
- Low losses with flat wire design
- Low core losses with Mnzn core material
- Quantity: 30pcs

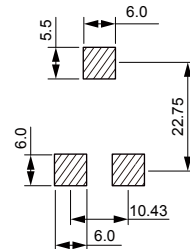
**APPLICATION**

- High current DC/DC converter
- LC filter

**Dimensions: [mm]**



**Land Pattern: [mm]**



**Electrical Properties:**

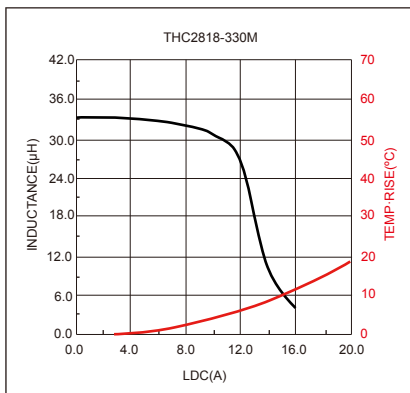
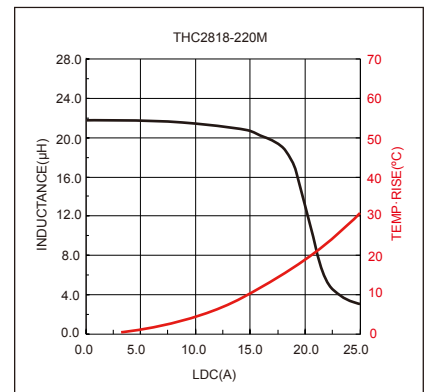
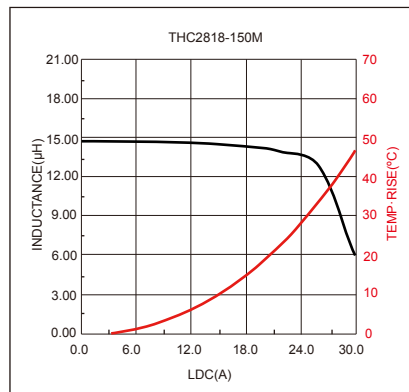
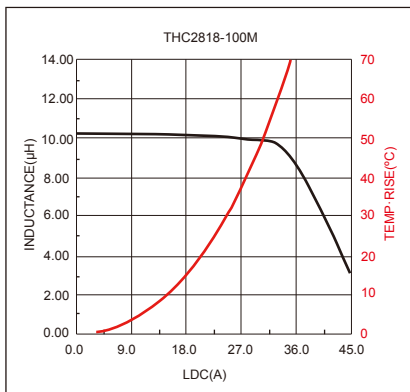
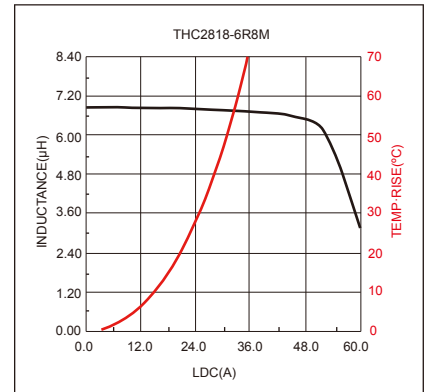
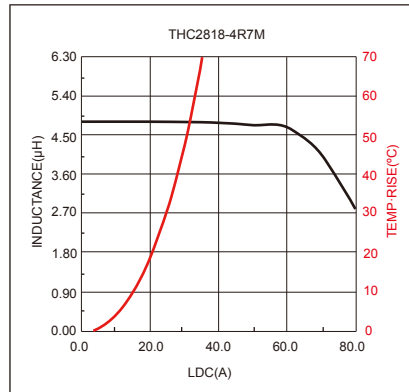
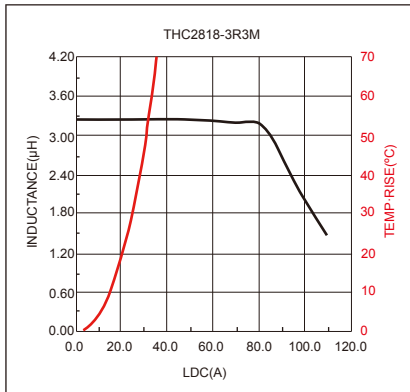
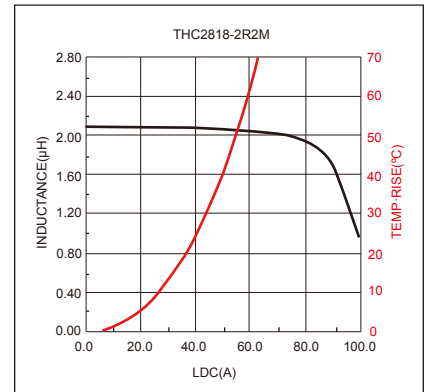
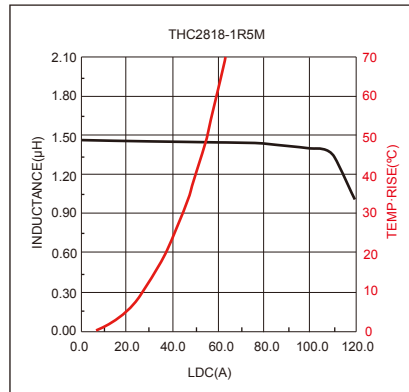
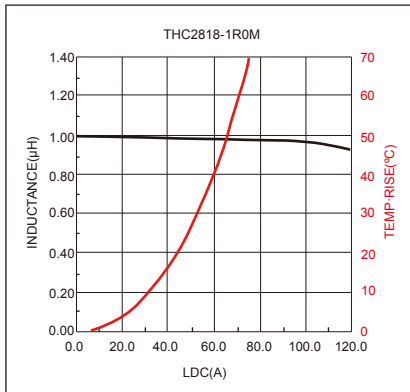
Part No	Inductance (μH)	Tolerance	Temperature Rise Current Typ. (A)	Saturation Current Typ. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
THC2818-1R0M	1.00	±20%	60.0	120	0.50	0.60
THC2818-1R5M	1.50	±20%	50.0	110	0.72	0.87
THC2818-2R2M	2.20	±20%	50.0	85.0	0.72	0.87
THC2818-3R3M	3.30	±20%	28.0	91.0	2.60	2.86
THC2818-4R7M	4.70	±20%	28.0	61.2	2.60	2.86
THC2818-6R8M	6.80	±20%	28.0	45.0	2.60	2.86
THC2818-100M	10.0	±20%	28.0	31.2	2.60	2.86
THC2818-150M	15.0	±20%	28.0	21.2	2.60	2.86
THC2818-220M	22.0	±20%	28.0	14.0	2.60	2.86
THC2818-330M	33.0	±20%	28.0	8.70	2.60	2.86

Operating Temperature: -40°C to +125°C

Temperature Rise Current: the actual value of DC current when the temperature rise is ΔT40°C

Saturation Current that will cause initial inductance to drop approximately 20%

Typical Electrical Characteristics:



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