

THCE Series
SMD High Current Inductor
Size 2818



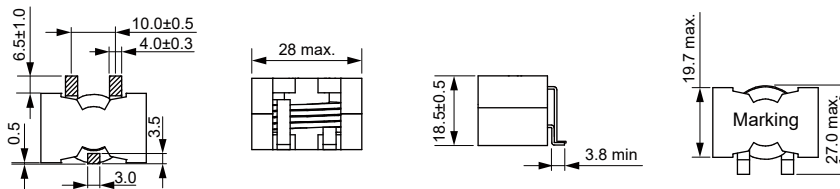
CHARACTERISTICS

- High saturation current up to 100A
- Low losses with flat wire design
- Low core losses with Mnzn core material
- Quantity: 40pcs

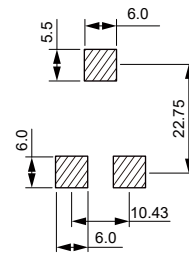
APPLICATION

- High current DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance @100KHz/0.25V (μ H)	Tolerance	Saturation Current Max. (A)	Temperature Rise Current Max. (A)	DC Resistance Max. (m Ω)
THCE2818-2R2M	2.2	±20%	100	30	2.5
THCE2818-3R3M	3.3	±20%	93	30	2.5
THCE2818-4R7M	4.7	±20%	63	30	2.5
THCE2818-6R8M	6.8	±20%	46	30	2.5
THCE2818-100M	10	±20%	31	30	2.5
THCE2818-150M	15	±20%	21	30	2.5
THCE2818-220M	22	±20%	14	30	2.5
THCE2818-330M	33	±20%	8.7	30	2.5

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

Temperature Rise Current: the actual value of DC current when the temperature rise is $\Delta T40^\circ\text{C}$

Saturation Current that will cause initial inductance to drop approximately 30%

Typical Electrical Characteristics:

