

THCE Series

SMD High Current Inductor

Size 2818



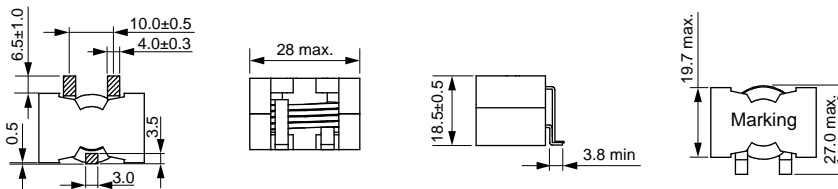
CHARACTERISTICS

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

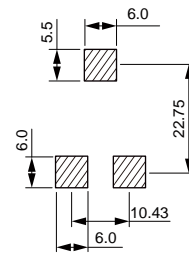
APPLICATION

- High current DC/DC convert
- 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 | $\pm 20\%$ | 100 | 30 | 2.5 |
| THCE2818-3R3M | 3.3 | $\pm 20\%$ | 93 | 30 | 2.5 |
| THCE2818-4R7M | 4.7 | $\pm 20\%$ | 63 | 30 | 2.5 |
| THCE2818-6R8M | 6.8 | $\pm 20\%$ | 46 | 30 | 2.5 |
| THCE2818-100M | 10 | $\pm 20\%$ | 31 | 30 | 2.5 |
| THCE2818-150M | 15 | $\pm 20\%$ | 21 | 30 | 2.5 |
| THCE2818-220M | 22 | $\pm 20\%$ | 14 | 30 | 2.5 |
| THCE2818-330M | 33 | $\pm 20\%$ | 8.7 | 30 | 2.5 |

Operating Temperature: -40°C to $+125^{\circ}\text{C}$

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

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

Typical Electrical Characteristics:

