THC Series

SMD High Current Inductor

Size 2017



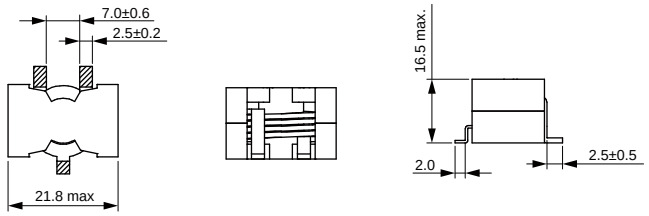
CHARACTERISTICS

- Assemblage design, sturdy structure.
- High inductance, high current, low magne c loss, low ESR, small parasi c capacitance.
- Flat wire winding, achieve a low DC resistance.
- Low power loss, suitable for applica ons of wide temperature and frequency range.
- Opera ng Temperature: -40 °C to +125 °C
- Quan ty: 100pcs

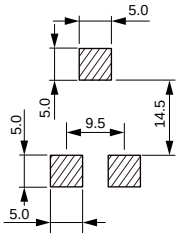
APPLICATION

- High current DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



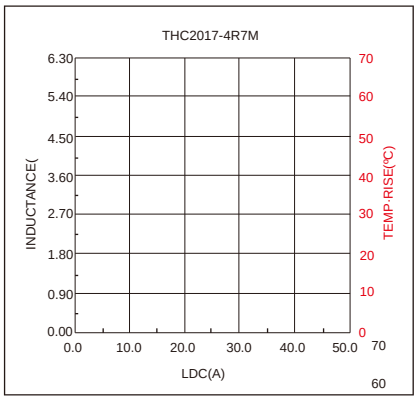
Electrical Properties:

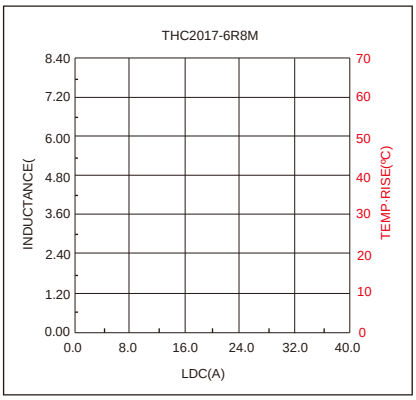
Part No	Inductance @ 100KHz/0.1V	Tolerance	Temperature Rise Current Typ.	Current Typ.	DC Resistance Typ.	DC Resistance Max.
THC2017-4R7M	4.70	±20%	21.0	42.0	3.30	4.00
THC2017-6R8M	6.80	±20%	20.0	30.0	3.57	4.30
THC2017-8R2M	8.20	±20%	20.0	25.0	3.57	4.30
THC2017-100M	10.0	±20%	16.0	24.0	5.28	6.30
THC2017-220M	22.0	±20%	16.0	10.0	5.28	6.30
THC2017-330M	33.0	±20%	12.0	9.00	13.0	15.0
THC2017-470M	47.0	±20%	12.0	6.50	13.0	15.0

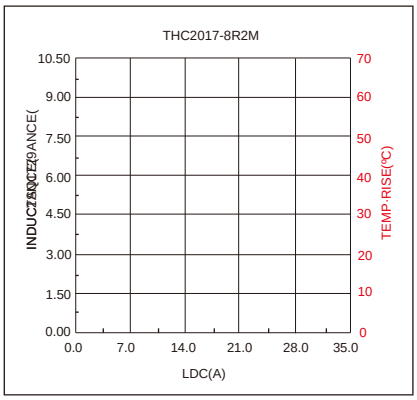
Saturation Current will cause L to drop approximately 30%

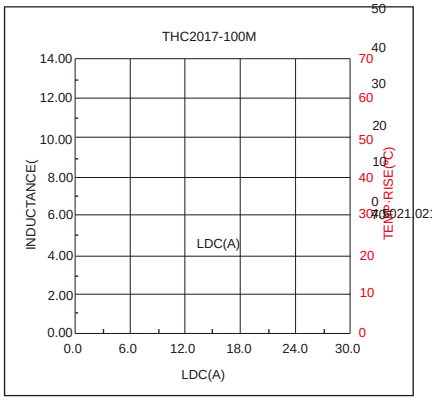
Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40°C

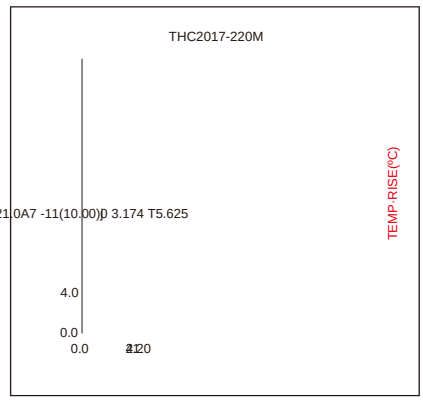
Typical Electrical Characteristics:



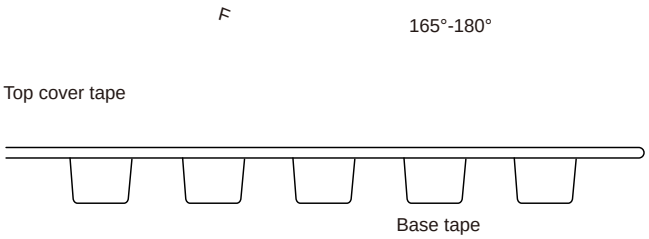




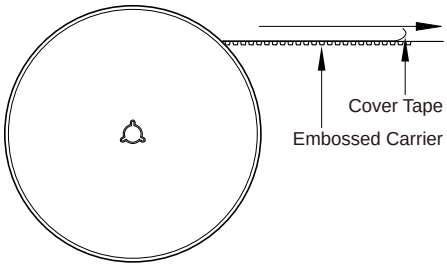




Peel force of top cover tape:



Reel Dimension：[mm]



Packaging Quantity: