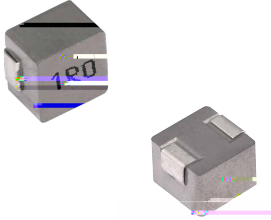




MDE Series

Molding Power Inductors

Size 1265



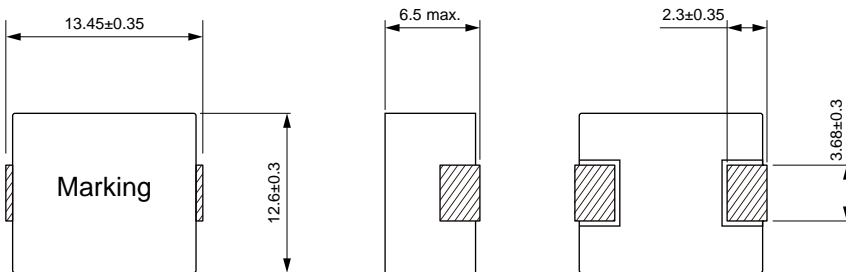
FEATURES

- ROHS, Halogen Free and REACH compliance
- High rated current
- 125 °C maximum total temperature operation
- Low core loss
- Ultra low buzz noise due to molding construction
- 13.8×12.9×6.5mm maximum surface mount package
- Operating temperature range: -55 °C to +125 °C
- Quantity: 500pcs

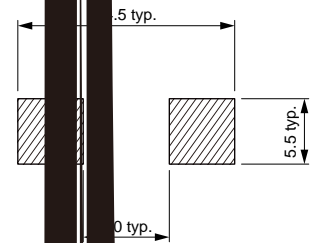
APPLICATION

- Laptops and PCs
- Switch and servers
- Base stations
- DC/DC converters
- Battery powered devices
- SSD modules

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

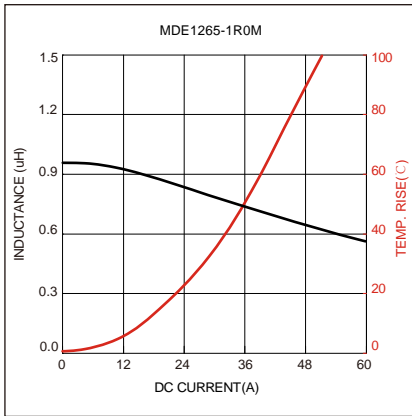
Part No	Inductance @ 100kHz/0.25V	Tolerance	DC Resistance Max.	Saturation Current Typ. (A)	Temperature Rise Current Typ. (A)
MDE1265-1R0M	1.0	±20%	1.75	34	28

Saturation Current will cause L to drop approximately 30%

Temperature Rise Current: The actual value of DC current when the temperature rise is $\Delta T=40^{\circ}\text{C}$

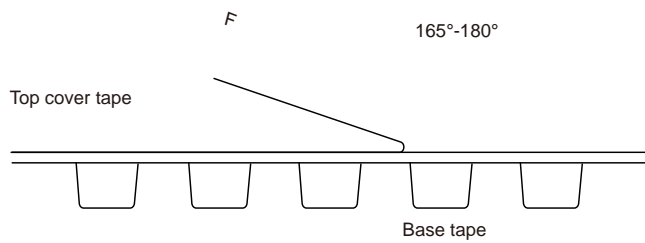


Typical Electrical Characteristics:



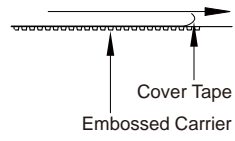
Packaging Information:

Peel force of top cover tape:





Reel Dimension: [mm]



Packaging Quantity: