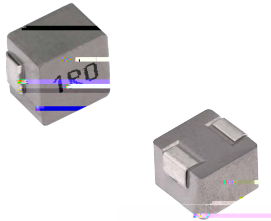


# MDE Series

## Molding Power Inductors

### Size 1265



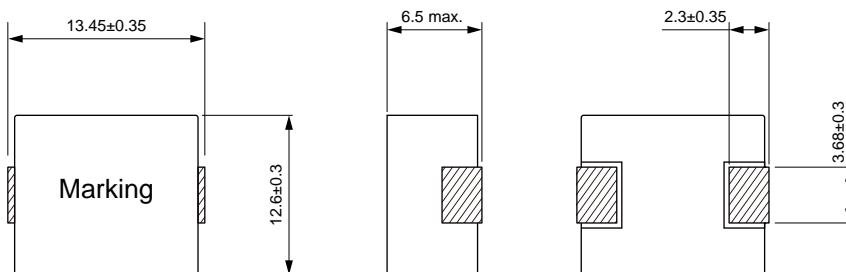
#### FEATURES

- 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

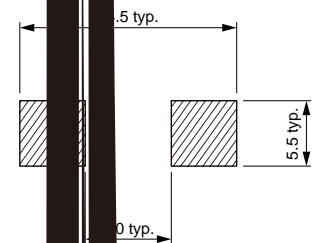
#### APPLICATION

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

#### Dimensions: [mm]



#### Land Pattern: [mm]



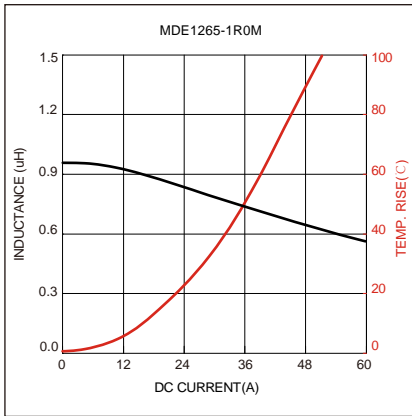
#### Electrical Properties:

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%

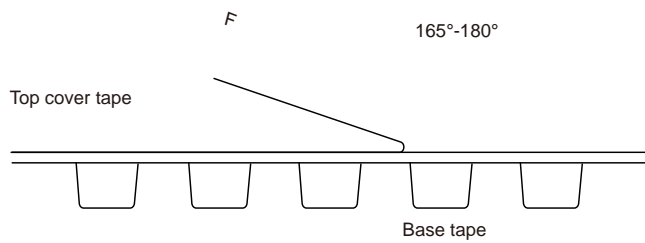
Temperature Rise Current: The actual value of DC current when the temperature rise is  $\Delta T=40^{\circ}\text{C}$

## Typical Electrical Characteristics:

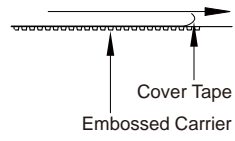


## Packaging Information:

Peel force of top cover tape:



Reel Dimension: [mm]



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Packaging Quantity: