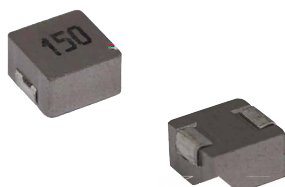


MDE Series

Molding Power Inductors

Size 0640



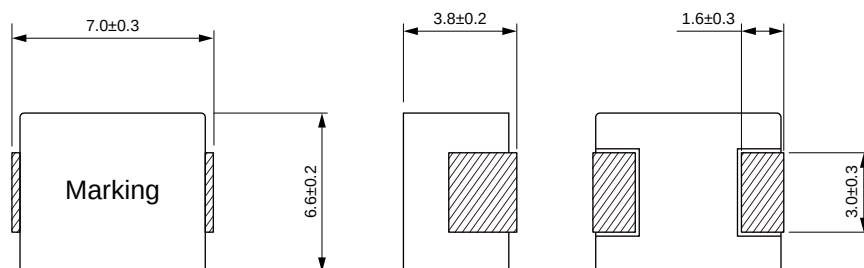
FEATURES

- High rated current
- Frequency up to 3 MHz
- 125°C maximum total temperature operation
- Low core loss
- Ultra low buzz noise due to molding construction
- Halogen Free & ROHS compliant
- Operating temperature range °C to °C
- Quantity pcs

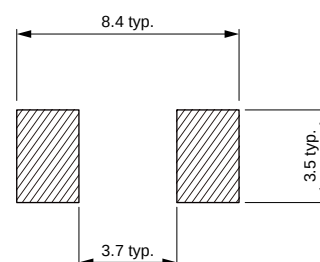
APPLICATION

- 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/1V	Tolerance	DC Resistance Max.	Current Typ. (A)	Temperature Rise Current Typ. (A)
MDE R M					
MDE R M					13.5
MDE R M				12.5	12.4
MDE R M					
MDE R M					
MDE R M					
MDE R M					
MDE R M					
MDE M					
MDE M					
MDE M			125		
MDE M					
MDE M					

Saturation Current will cause L to drop approximately 30%

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