MDE Series
Molding Power Inductors
Size 0640



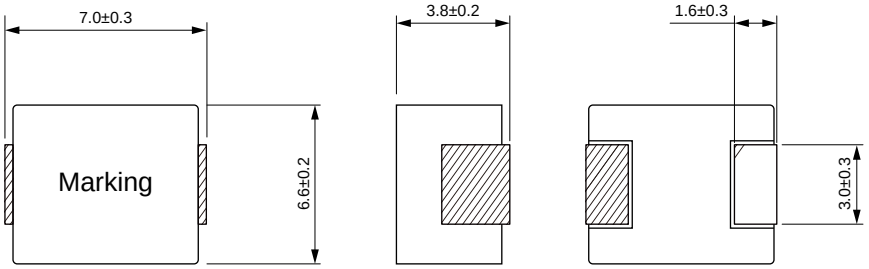
FEATURES

- High rated current
- Frequency up to 3 MHz
- 125℃ maximum total temperature opera on
- Low core loss
- Ultra low buzz noise due to molding construc on
- Halogen Free & ROHS compliant
- Opera ng temperature range - 55 ℃ to + 125 ℃
- Quan ty: 1000pcs

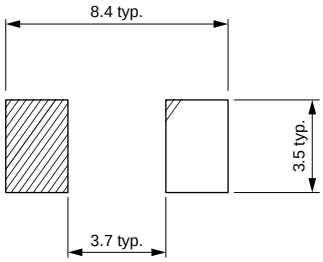
APPLICATION

- Laptops and PCs
- Switch and servers
- Base sta ons
- DC/DC converters
- Ba ery 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)
MDE0640-R68M	0.68	±20%	4.80	19.0	17.0
MDE0640-1R0M	1.00	±20%	6.60	16.0	13.5
MDE0640-1R5M	1.50	±20%	10.0	12.5	12.4
MDE0640-2R2M	2.20	±20%	14.0	11.0	10.0
MDE0640-3R3M	3.30	±20%	20.0	9.50	8.50
MDE0640-4R7M	4.70	±20%	30.0	9.00	6.50
MDE0640-6R8M	6.80	±20%	45.0	6.50	5.50
MDE0640-8R2M	8.20	±20%	55.0	6.00	5.20
MDE0640-100M	10.0	±20%	65.0	6.00	4.80
MDE0640-150M	15.0	±20%	95.0	4.50	3.70
MDE0640-220M	22.0	±20%	125	4.00	3.30
MDE0640-330M	33.0	±20%	240	3.00	2.20
MDE0640-470M	47.0	±20%	320	2.50	1.80

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