

MDE Series

Molding Power Inductors

Size 0640



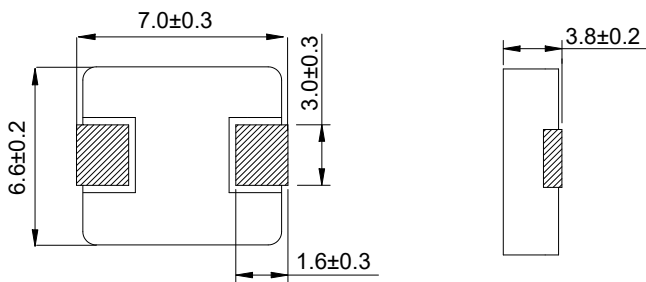
FEATUERS

- 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
- Quantity: 1000pcs

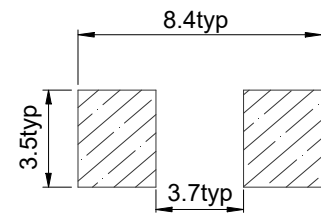
APPLICATION

- 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.	L@100KHz /1V (μ H)	Tolerance	R _{DC} Max. (m Ω)	I _{last} Typ. (A)	I _R Typ. (A)
MDE0640-2R2M	2.2	±20%	14	11.0	9
MDE0640-4R7M	4.7	±20%	30	9.0	7.0
MDE0640-150M	15	±20%	110	4.5	3.5

Operating temperature range - 55 °C to + 125 °C

I_R will cause the coil temperature approximate $\Delta T 40$ °C

I_{sat} will cause to drop approximately 30 %