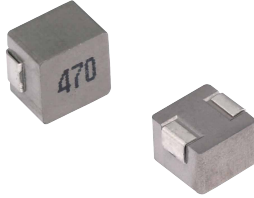


MDE Series

Molding Power Inductors

Size 1265



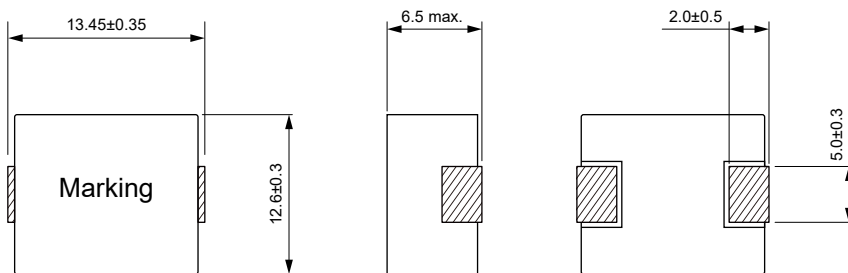
FEATURES

- 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

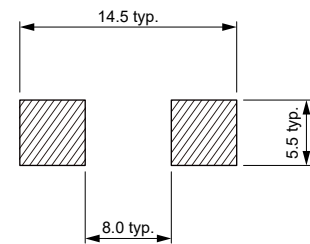
APPLICATION

- 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/1V (μH)	Tolerance	DC Resistance Max. (mΩ)	Saturation Current Typ. (A)	Temperature Rise Current Typ. (A)
MDE1265-4R7M	4.70	±20%	8.50	24.0	16.0
MDE1265-5R6M	5.60	±20%	10.5	22.5	14.0
MDE1265-6R8M	6.80	±20%	12.0	19.0	13.0
MDE1265-8R2M	8.20	±20%	14.0	16.0	12.0
MDE1265-100M	10.0	±20%	16.5	15.0	11.0
MDE1265-150M	15.0	±20%	26.0	11.0	9.50
MDE1265-220M	22.0	±20%	36.0	9.00	8.00
MDE1265-330M	33.0	±20%	65.0	8.00	6.50
MDE1265-470M	47.0	±20%	70.0	6.80	5.50
MDE1265-680M	68.0	±20%	120	5.20	4.80
MDE1265-820M	82.0	±20%	135	4.50	4.00
MDE1265-101M	100	±20%	170	4.00	3.50

Saturation Current will cause L to drop approximately 30%

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