

MDE Series

Molding Power Inductors

Size 0412



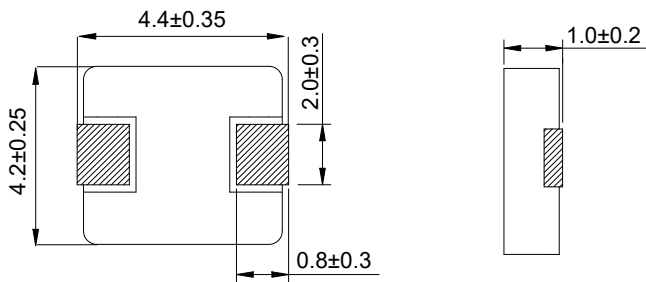
FEATUERS

- 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: 3000pcs

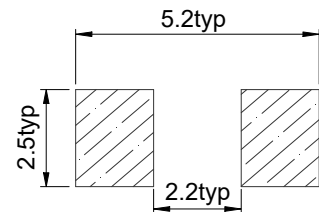
APPLICATION

- 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 _{sat} Typ. (A)	I _R Typ. (A)
MDE0412-R15M	0.15	±20%	9	15	7.5
MDE0412-R22M	0.22	±20%	11	11	7
MDE0412-R33M	0.33	±20%	19	8.4	6.5
MDE0412-R47M	0.47	±20%	21	6.8	6
MDE0412-R68M	0.68	±20%	36	6	4.7
MDE0412-1R0M	1.0	±20%	47	5.5	4.5
MDE0412-1R5M	1.5	±20%	75	4	3.25
MDE0412-2R2M	2.2	±20%	83.5	3	2.75
MDE0412-4R7M	4.7	±20%	195	2.2	1.8

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

I_R will cause the coil temperature approximate Δ T40 °C

I_{sat} will cause to drop approximately 30 %