

MDE Series

Molding Power Inductors

Size 1260



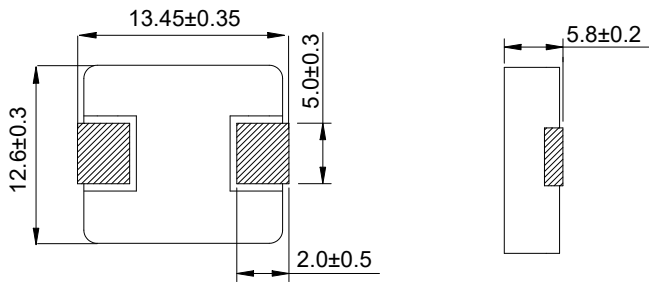
FEATUERS

- 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: 500pcs

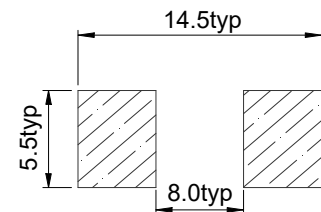
APPLICATION

- 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.	L@100KHz /1V (μH)	Tolerance	R _{DC} Max. (mΩ)	I _{ast} Typ. (A)	I _R Typ. (A)
MDE1260-4R7M	4.7	±20%	9.0	24.0	15.0
MDE1260-5R6M	5.6	±20%	11.0	22.5	13.0
MDE1260-6R8M	6.8	±20%	13.5	19.0	12.0
MDE1260-8R2M	8.2	±20%	16.0	13.5	11.0
MDE1260-100M	10.0	±20%	20.7	12.5	10.0
MDE1260-120M	12.0	±20%	23.0	10	9.0
MDE1260-150M	15.0	±20%	29.0	9.0	8.5
MDE1260-180M	18.0	±20%	35.0	8.0	7.5
MDE1260-220M	22.0	±20%	39.5	7.5	7.0
MDE1260-270M	27.0	±20%	56.0	6.5	6.0
MDE1260-330M	33.0	±20%	75.0	6.0	5.5

Part No.	L@100KHz /1V (μ H)	Tolerance	R _{DC} Max. (m Ω)	I _{ast} Typ. (A)	I _R Typ. (A)
MDE1260-470M	47.0	±20%	90.0	5.5	5.0
MDE1260-680M	68.0	±20%	140.0	4.5	4.0
MDE1260-101M	100.0	±20%	200.0	3.5	3.0
MDE1260-121M	120.0	±20%	235.0	3.2	2.0
MDE1260-151M	150.0	±20%	350.0	2.7	1.5

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

I_R will cause the coil temperature approximate ΔT 40 °C

I_{sat} will cause to drop approximately 30 %