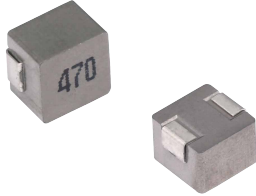


**MDE Series**  
Molding Power Inductors  
Size 1260



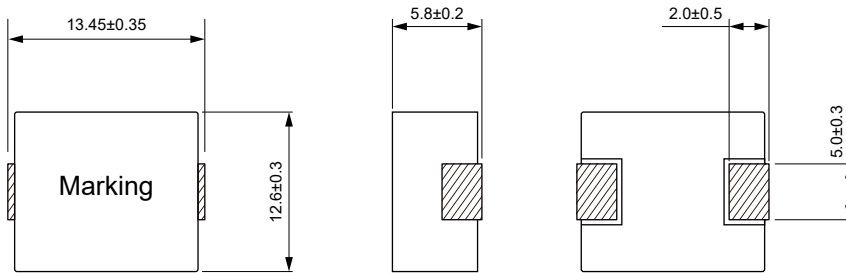
**FEATURES**

- 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
- Operating temperature range - 55 °C to + 125 °C
- Quantity: 500pcs

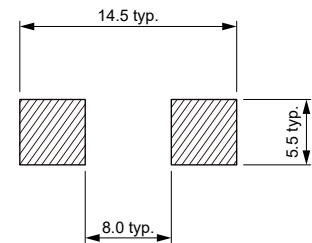
**APPLICATION**

- Laptops and PCs
- Switch and servers
- Base stations
- DC/DC converters
- Battery powered devices
- SSD modules

**Dimensions: [mm]**



**Land Pattern: [mm]**



**Electrical Properties:**

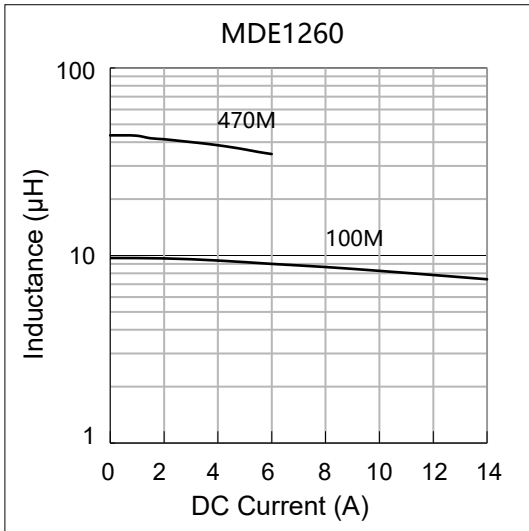
Part No	Inductance @ 100kHz/1V (µH)	Tolerance	DC Resistance Max. (mΩ)	Saturation Current Typ. (A)	Temperature Rise Current Typ. (A)
MDE1260-4R7M	4.70	±20%	9.00	24.0	15.0
MDE1260-5R6M	5.60	±20%	11.0	22.5	13.0
MDE1260-6R8M	6.80	±20%	13.5	19.0	12.0
MDE1260-8R2M	8.20	±20%	16.0	13.5	11.0
MDE1260-100M	10.0	±20%	20.7	12.5	10.0
MDE1260-120M	12.0	±20%	23.0	10.0	9.00
MDE1260-150M	15.0	±20%	29.0	9.00	8.50
MDE1260-180M	18.0	±20%	35.0	8.00	7.50
MDE1260-220M	22.0	±20%	39.5	7.50	7.00
MDE1260-270M	27.0	±20%	56.0	6.50	6.00
MDE1260-330M	33.0	±20%	75.0	6.00	5.50
MDE1260-470M	47.0	±20%	90.0	5.50	5.00
MDE1260-680M	68.0	±20%	140	4.50	4.00
MDE1260-101M	100	±20%	200	3.50	3.00
MDE1260-121M	120	±20%	235	3.20	2.00
MDE1260-151M	150	±20%	350	2.70	1.50

Saturation Current will cause L to drop approximately 30%

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

Typical Electrical Characteristics:

Inductance vs DC Current Characteristics:



Temperature Rise vs DC Current Characteristics:

