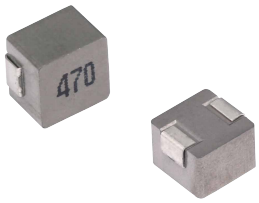
MDE Series

Molding Power Inductors
Size 0624



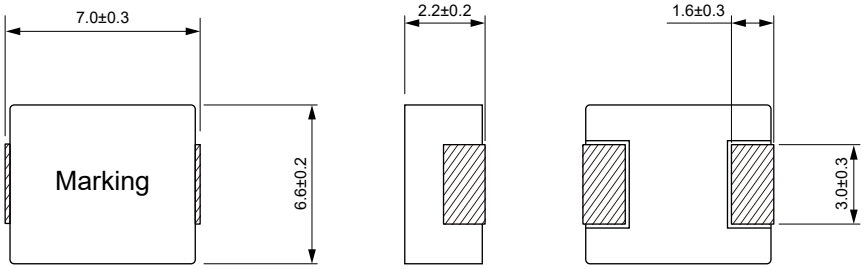
FEATURES

- High rated current
- Frequency up to 3 MHz
- 125℃ 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: 1500pcs

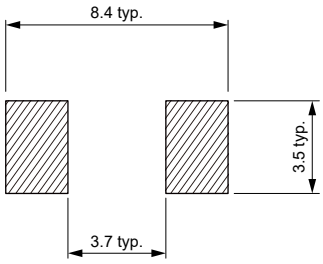
APPLICATION

- 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)
MDE0624-R22M	0.22	±20%	3.00	30.0	21.0
MDE0624-R33M	0.33	±20%	4.10	24.5	18.0
MDE0624-R47M	0.47	±20%	5.10	20.0	15.0
MDE0624-R56M	0.56	±20%	6.50	17.0	13.0
MDE0624-R68M	0.68	±20%	7.00	16.0	12.0
MDE0624-1R0M	1.00	±20%	13.5	15.0	9.00
MDE0624-1R5M	1.50	±20%	20.0	13.5	8.20
MDE0624-2R2M	2.20	±20%	28.0	10.0	7.00
MDE0624-3R3M	3.30	±20%	39.0	8.00	5.50
MDE0624-4R7M	4.70	±20%	50.0	6.50	5.00
MDE0624-6R8M	6.80	±20%	70.0	6.00	4.00
MDE0624-100M	10.0	±20%	101	4.00	3.10
MDE0624-150M	15.0	±20%	160	3.30	2.50
MDE0624-220M	22.0	±20%	230	2.50	2.00

Saturation Current will cause L to drop approximately 30%
Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40°C

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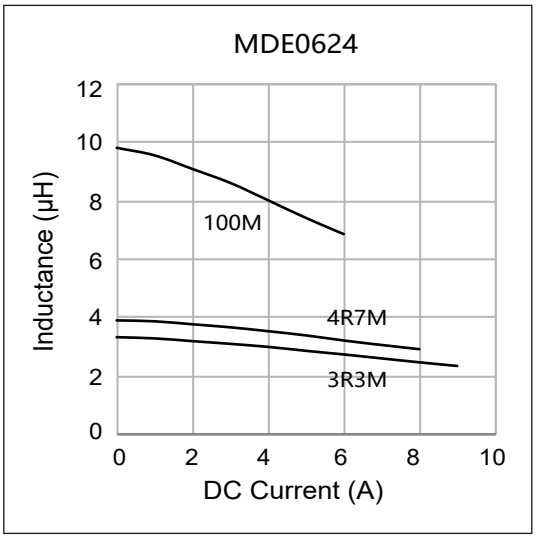
Typical Electrical Characteristics:

Inductance vs DC Current Characteristics:



Temperature Rise vs DC Current Characteristics: