MDE Series

Molding Power Inductors

Size 0618

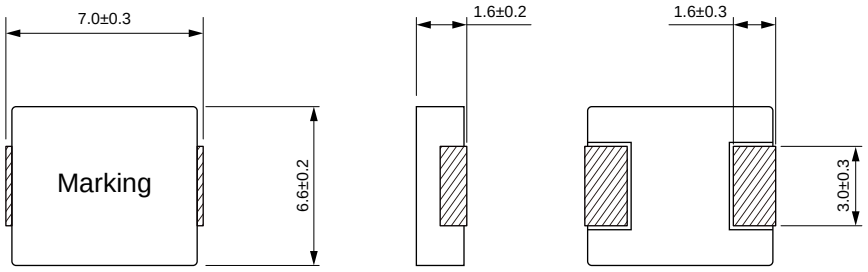
FEATURES

- High rated current
- Frequency up to 3 MHz
- 125℃ maximum total temperature opera on
- Low core loss
- Ultra low buzz noise due to molding construc on
- Halogen Free & ROHS compliant
- Opera ng temperature range - 55 °C to + 125 °C
- Quan ty: 2000pcs

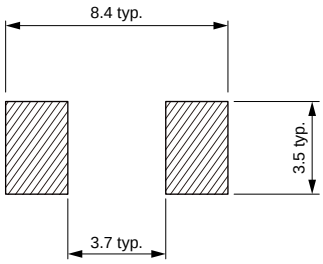
APPLICATION

- Laptops and PCs
- Switch and servers
- Base sta ons
- DC/DC converters
- Ba ery powered devices
- SSD modules

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

	(μH)		(mΩ)	Saturation	
MDE0618-R10M	0.10	±20%	2.30	38.0	25.0
MDE0618-R22M	0.22	±20%	3.50	24.0	22.0
MDE0618-R47M	0.47	±20%	8.40	18.0	11.5
MDE0618-R68M	0.68	±20%	12.0	16.5	9.50
MDE0618-1R0M	1.00	±20%	16.0	12.0	8.50
MDE0618-1R5M	1.50	±20%	26.0	9.20	8.00
MDE0618-2R2M	2.20	±20%	35.0	8.00	7.00
MDE0618-3R3M	3.30	±20%	50.0	6.00	4.50
MDE0618-4R7M	4.70	±20%	62.0	5.00	4.00
MDE0618-6R8M	6.80	±20%	110	4.50	3.00
MDE0618-100M	10.0	±20%	155	4.00	2.30
MDE0618-220M	22.0	±20%	350	2.30	1.80

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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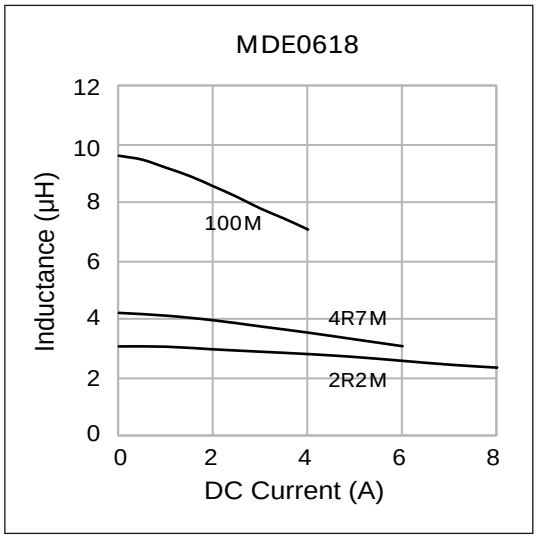
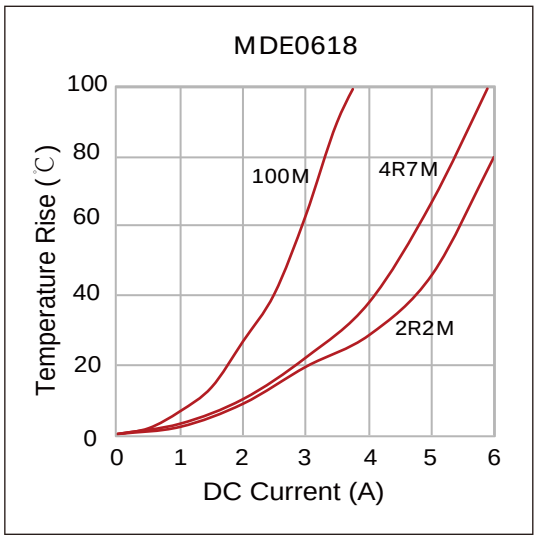
Typical Electrical Characteristics:

Inductance vs DC Current Characteristics:



Temperature Rise vs DC Current Characteristics: