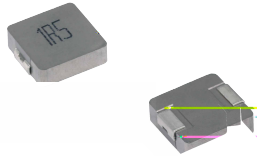


MDE Series

Molding Power Inductors

Size 0518



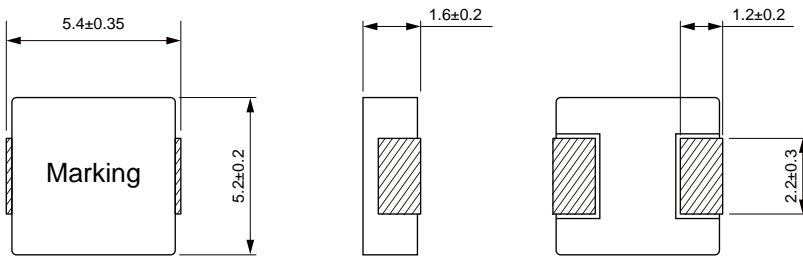
FEATURES

- 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: 2000pcs

APPLICATION

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

Dimensions: [mm]



Land Pattern: [mm]

Electrical Properties:

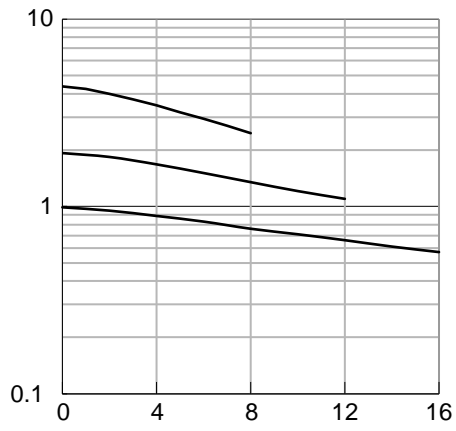
Part No.	Inductance @ 100kHz	Inductance	DC Resistance Max.	Current Cap. (A)	Temperature Rise Current (A)
MDE0518-001	0.11	±0.2%	9.00	1.00	1.00
MDE0518-002	0.15	±0.2%	9.00	1.50	1.50
MDE0518-003	0.20	±0.2%	11.0	2.00	2.00
MDE0518-004	0.30	±0.2%	11.0	3.00	3.00
MDE0518-005	0.50	±0.2%	2.00	4.00	4.00
MDE0518-006	0.70	±0.2%	3.00	4.50	4.50
MDE0518-007	1.00	±0.2%	3.50	4.50	4.50
MDE0518-008	1.50	±0.2%	4.00	4.50	4.50
MDE0518-009	2.00	±0.2%	4.50	4.50	4.50

Inductance measured with source & sink leads approximately 50cm

Temperature Rise Current: The allowed current at 125°C maximum temperature level is 100%

Typical Electrical Characteristics:

Inductance vs DC Current Characteristics:



Temperature Rise vs DC Current Characteristics:

