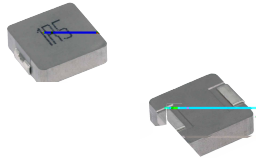


# MDE Series

## Molding Power Inductors

### Size 0518



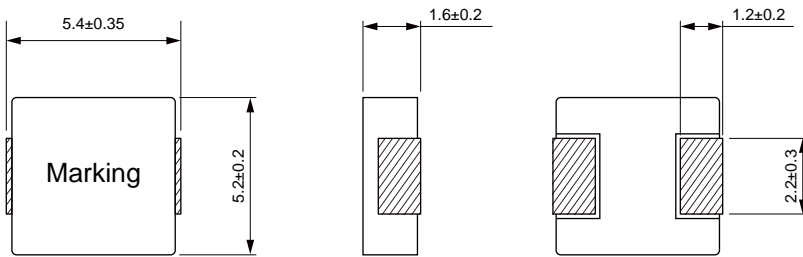
#### FEATURES

- 
- 
- $^{\circ}\text{C}$  maximum total temperature operation
- 
- Ultra low buzz noise due to molding construction
- 
- Operating temperature range -  $55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
- Quantity: 2000pcs

#### APPLICATION

- Laptops and PCs
- 
- Base stations
- DC/DC converters
- Battery powered devices
- 

#### Dimensions: [mm]



#### Land Pattern: [mm]

#### Electrical Properties:

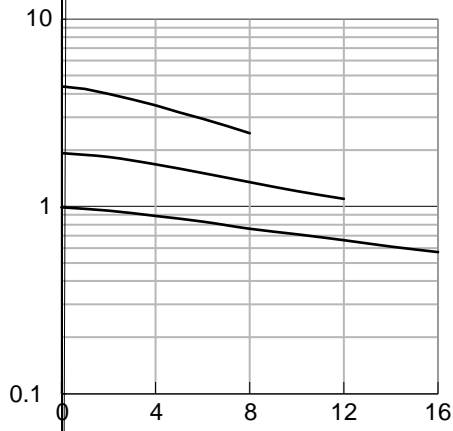
Part No.	Inductance @ 100kHz	Inductance	DC Resistance Max.	Current Cap. (A)	Temperature Rise (mV/A)
MDE0518-04-004	0.04	±0.0%	9.00		10.0
MDE0518-04-014	0.04	±0.0%	9.00	1.50	9.50
MDE0518-04-024	0.04	±0.0%			9.50
MDE0518-04-034	0.04	±0.0%	11.0	2.00	9.00
MDE0518-04-044	0.04	±0.0%	2.00	3.00	7.00
MDE0518-04-054	0.04	±0.0%	3.00	4.50	6.00
MDE0518-04-064	0.04	±0.0%	5.00	6.00	4.50
MDE0518-04-074	0.04	±0.0%	6.50	7.00	3.50
MDE0518-04-084	0.04	±0.0%		8.00	2.50

Inductance measured with source & sink leads approximately 50cm

Temperature Rise Current: The average value of the current when the temperature rise is 10°C

## Typical Electrical Characteristics:

Inductance vs DC Current Characteristics:



Temperature Rise vs DC Current Characteristics:

