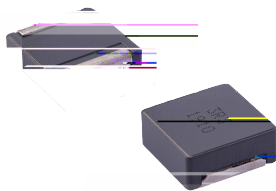


MD Series

SMD Low Profile High Current Molded Inductor

Size 1870



FEATURES

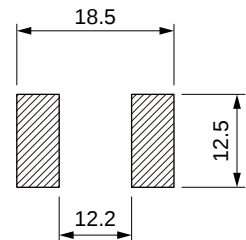
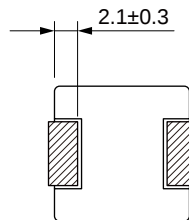
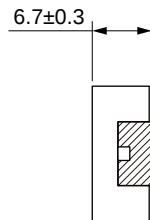
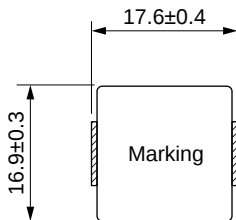
- Molded type
- High saturation current due to CIP material
- Nature air gap and no acoustic noise
- Different sizes available
- Operating temperature range - 40 °C to + 125 °C
- Quantity: 200pcs

APPLICATION

- High current DC/DC converter
- LC filter

Dimensions: [mm]

Land Pattern: [mm]



Electrical Properties:

Part No		Tolerance	Temperature Rise Current Typ. (A)	current Typ. (A)	DC Resistance Typ.	
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				
		±20%				

Part No	Inductance @ 100KHz/1V	Tolerance	Temperature Rise Current Typ. (A)	current Typ. (A)	DC Resistance Typ.	DC Resistance Max.
MD1870-680M	68.0	±20%	7.0	13	68	80
MD1870-820M	82.0	±20%	5.7	12	87	100
MD1870-101M	100	±20%	5.3	12	102	118

Temperature rise current : The actual value of DC current when the temperature rise is $\Delta T 40^{\circ}\text{C}$
 Satura on Current will cause L to drop approximately 30%

Typical Electrical Characteristics:

