

MD Series

SMD Low Profile High Current Molded Inductor

Size 7030

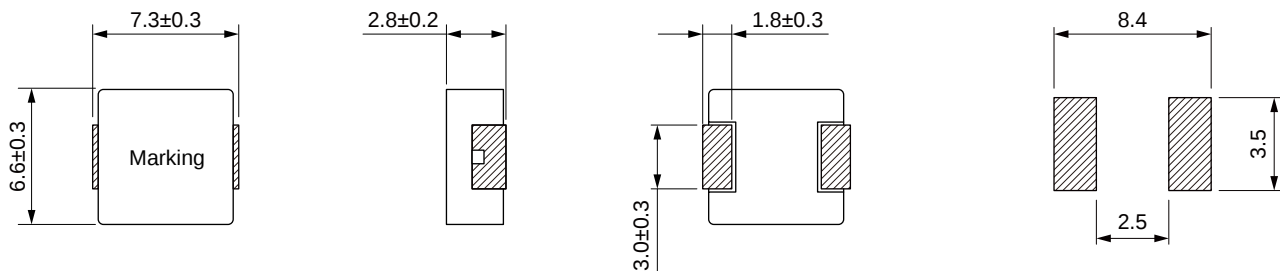
CHARACTERISTICS

- Molded type
- High saturation current due to CIP material
- Nature air gap and no acoustic noise
- Different sizes available
- Quantity: 1000pcs

APPLICATION

- High current DC/DC converter
- LC filter

Dimensions: [mm]



Electrical Properties:

Part No	Inductance @ 100KHz/1V	Tolerance	Temperature Rise Current Typ. (A)	current Typ. (A)	DC Resistance Typ.	DC Resistance Max.
		±30%				
		±30%				
		±20%				
		±20%				
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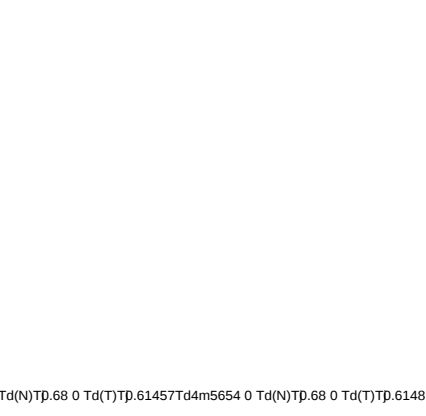
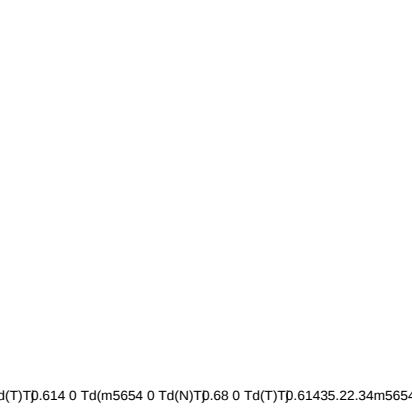
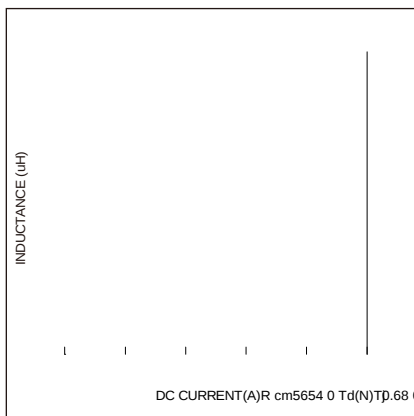
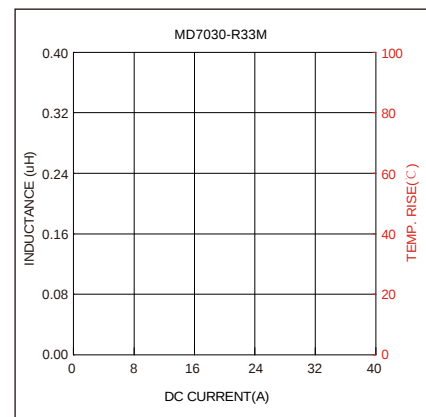
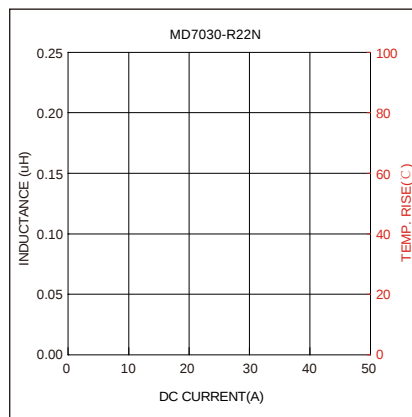
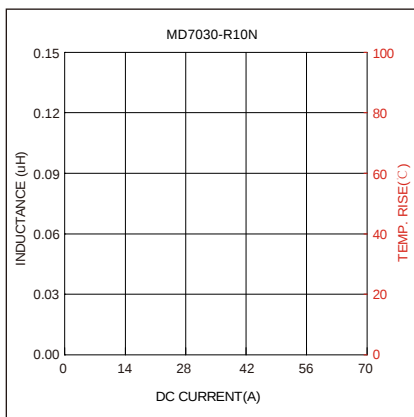
Part No	Inductance @ 100KHz/1V	Tolerance	Temperature Rise Current Typ. (A)	current Typ. (A)	DC Resistance Typ.	DC Resistance Max.
MD7030-100M	10.0	±20%	3.50	6.00	75	85
MD7030-150M	15.0	±20%	3.00	4.00	107	123
MD7030-220M	22.0	±20%	2.00	3.50	165	190

Operating temperature : -40℃ ~ +125℃

Temperature rise current : The actual value of DC current when the temperature rise is ΔT40℃

Saturation Current will cause L to drop approximately 30%

Typical Electrical Characteristics:



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