MD Series

SMD Low Profile High Current Molded Inductor

Size 1335

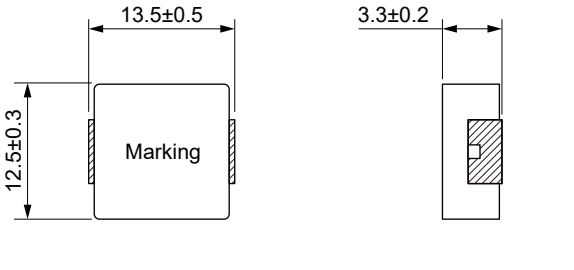
CHARACTERISTICS

- Molded type
- High saturation current due to CIP material
- Nature air gap and no acoustic noise
- Different sizes available
- Quantity: 500pcs

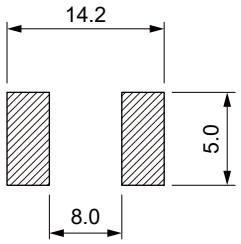
APPLICATION

- High current DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance @ 100KHz/1V (μH)	Tolerance	Temperature Rise Current Typ. (A)	Saturation Current Typ. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
MD1335-1R0M	1.00	±20%	24	40	2.7	3.5
MD1335-1R5M	1.50	±20%	19	35	4.8	5.5
MD1335-2R2M	2.20	±20%	16	29	6.3	8.0
MD1335-3R3M	3.30	±20%	12	27	11	13.5
MD1335-4R7M	4.70	±20%	10	24	15.3	18.5
MD1335-5R6M	5.60	±20%	9.5	19	18	22
MD1335-6R8M	6.80	±20%	9.0	18	20	24
MD1335-8R2M	8.20	±20%	8.5	16	23	28
MD1335-100M	10.0	±20%	7.0	14	29	34

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%

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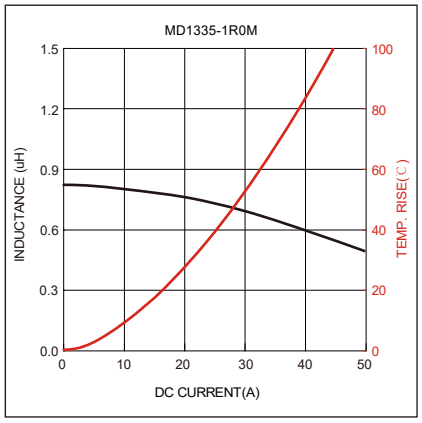
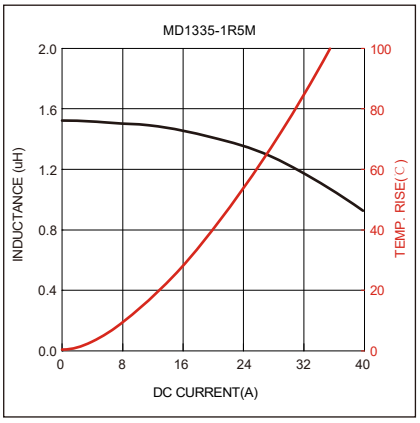
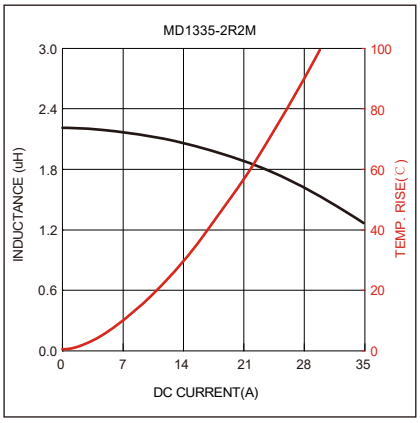
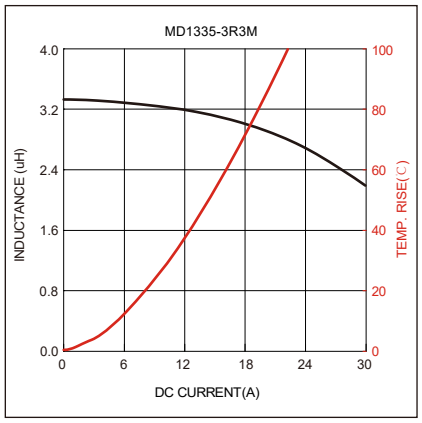
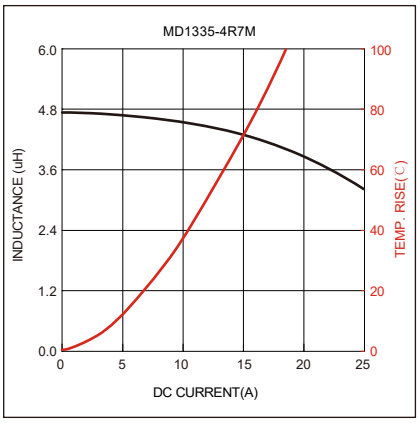
Typical Electrical Characteristics:

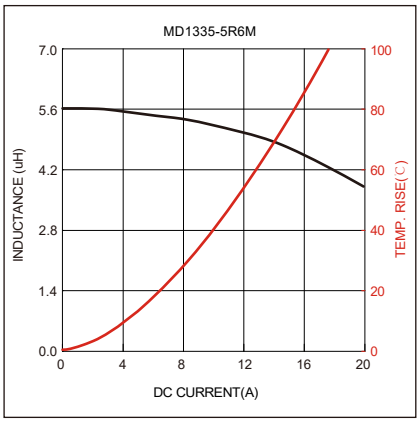


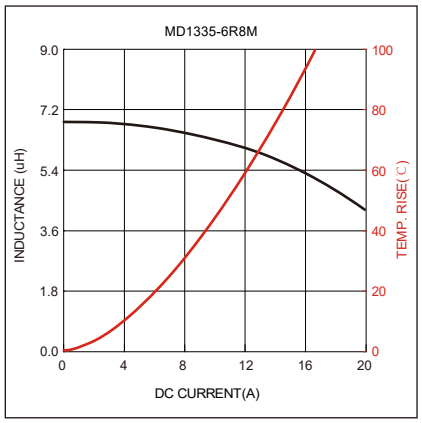


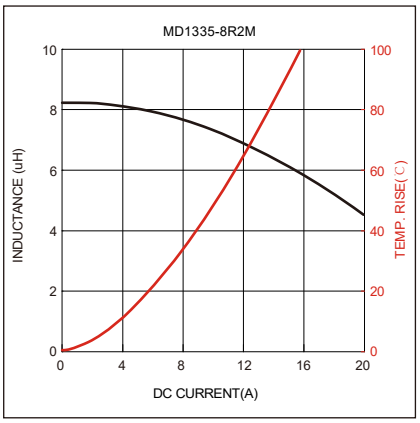


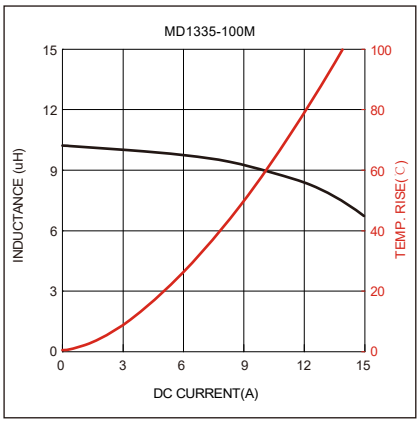












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