MD Series

SMD Low Profile High Current Molded Inductor

Size 1050

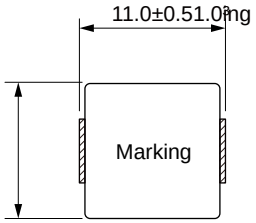
CHARACTERISTICS

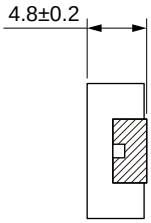
- Molded type
- High satura on current due to CIP material
- Nature air gap and no acous c noise
- Di erent sizes available
- Quan ty: 500pcs

APPLICATION

- High current DC/DC converter
- LC filter

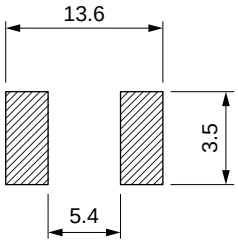
Dimensions: [mm]







Land Pattern: [mm]



Electrical Properties:

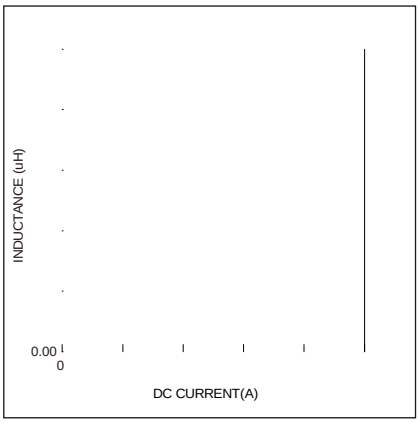
Part No	Inductance @ 100KHz/1V (µH)	Tolerance	Temperature Rise Current Typ. (A)	Satura on current Typ. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
MD1050-R22M	0.22	±20%	45.0	70.0	0.45	0.50
MD1050-R56M	0.56	±20%	26.5	43.0	1.30	1.50
MD1050-1R0M	1.00	±20%	22.0	30.0	2.80	3.50
MD1050-1R5M	1.50	±20%	19.0	27.0	3.50	4.10
MD1050-2R2M	2.20	±20%	16.0	24.0	5.40	6.00
MD1050-3R3M	3.30	±20%	14.0	22.0	9.00	10.4
MD1050-4R7M	4.70	±20%	13.0	19.0	10.0	12.5
MD1050-5R6M	5.60	±20%	10.0	16.0	14.0	16.8
MD1050-6R8M	6.80	±20%	9.50	15.0	16.5	21.0
MD1050-8R2M	8.20	±20%	9.00	14.5	18.5	24.0
MD1050-100M	10.0	±20%	8.00	13.5	25.0	29.0
MD1050-150M	15.0	±20%	5.50	9.50	37.0	45.0
MD1050-220M	22.0	±20%	5.00	9.00	50.0	60.0
MD1050-330M	33.0	±20%	4.30	7.50	80.0	92.0
MD1050-470M	47.0	±20%	3.80	6.50	125	145

Opera ng temperature : -40℃ ~ +125℃

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

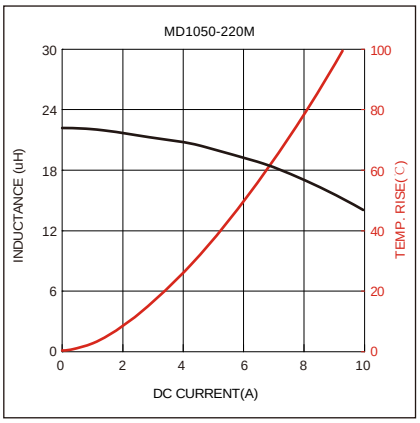
Satura on Current will cause L to drop approximately 30%

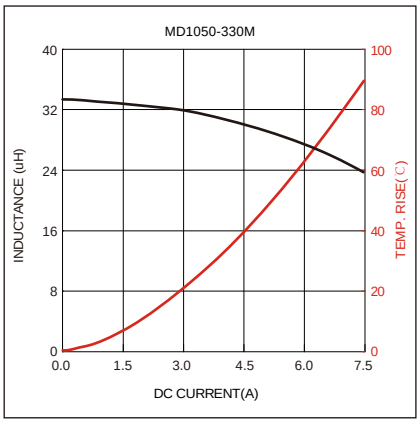
Typical Electrical Characteristics:

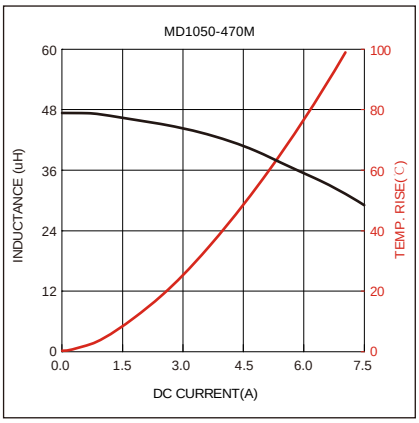


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