

MD Series

SMD Low Profile High Current Molded Inductor Size 1050



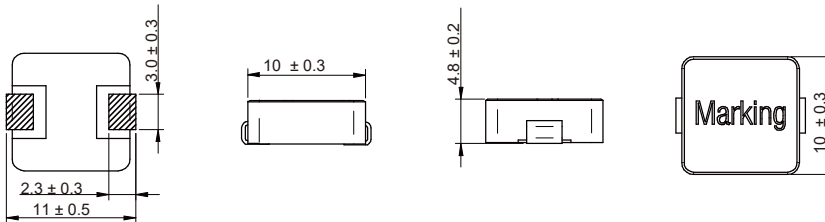
CHARACTERISTICS

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

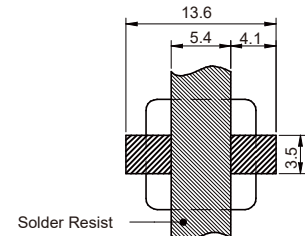
APPLICATION

- High current DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance (μH)	Tolerance	Temperature Rise Current Typ. (A)	Saturation current Typ. (A)	DCR Typ. (mΩ)	DCR Max. (mΩ)
MD1050-R22M	0.22	±20%	45	70	0.45	0.5
MD1050-R30M	0.30	±20%	38	65	0.57	0.61
MD1050-1R0M	1.00	±20%	22	30	2.8	3.5
MD1050-1R5M	1.50	±20%	19	27	3.5	4.1
MD1050-2R2M	2.20	±20%	16	24	5.4	6.0
MD1050-3R3M	3.30	±20%	14	22	9.0	10.4
MD1050-8R2M	8.20	±20%	9.0	14.5	18.5	24
MD1050-100M	10.0	±20%	8.0	13.5	25	29
MD1050-150M	15.0	±20%	5.5	9.5	37	45
MD1050-220M	22.0	±20%	5.0	9.0	50	60
MD1050-330M	33.0	±20%	4.3	7.5	80	92
MD1050-470M	47.0	±20%	3.8	6.5	125	145
MD1050-680M	68.0	±20%	2.5	4.0	176	205

Operating temperature : -40 °C ~ +125 °C

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

Saturation Current that will cause initial inductance to drop 20% approximately .

Typical Electrical Characteristics:

