

MD Series

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



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

Operating temperature : $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

Temperature rise current : The actual value of DC current when the temperature rise is $\geq 40^{\circ}\text{C}$

Saturation Current will cause L to drop approximately 30%



