

MD Series

SMD Low Profile High Current Molded Inductor Size 1360



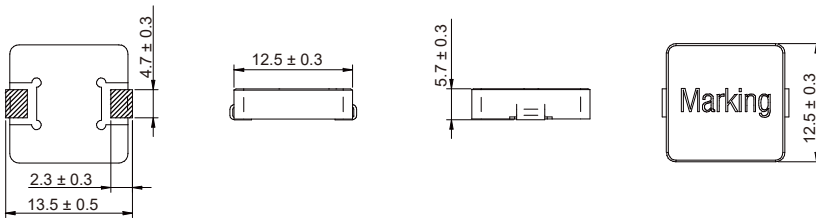
CHARACTERISTICS

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

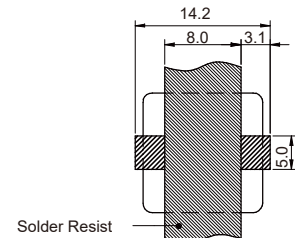
APPLICATION

- 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)
MD1360-R47M	0.47	±20%	38	60	0.92	1.3
MD1360-R56M	0.56	±20%	35	56	1.15	1.5
MD1360-R68M	0.68	±20%	33	53	1.33	1.7
MD1360-1R0M	1.00	±20%	29	45	1.8	2.4
MD1360-1R2M	1.20	±20%	28	44	2.1	2.8
MD1360-1R5M	1.50	±20%	26	43	2.7	3.2
MD1360-2R2M	2.20	±20%	21	34	4.0	4.7
MD1360-3R3M	3.30	±20%	17	28	5.8	7.1
MD1360-4R7M	4.70	±20%	16	25	9.5	11.5
MD1360-5R6M	5.60	±20%	15.5	22	10.8	12.6
MD1360-6R8M	6.80	±20%	15	19	12.0	13.8
MD1360-8R2M	8.20	±20%	11	17	13.6	16
MD1360-100M	10.0	±20%	11	15.5	18	20.7
MD1360-120M	12.0	±20%	9.5	13.5	20	23
MD1360-150M	15.0	±20%	9.0	13.0	25	29
MD1360-180M	18.0	±20%	8.5	12.0	30	35
MD1360-220M	22.0	±20%	8.0	11.0	34	39.5

Part No	Inductance (μH)	Tolerance	Temperature Rise Current Typ. (A)	Saturation current Typ. (A)	DCR Typ. (mΩ)	DCR Max. (mΩ)
MD1360-270M	27.0	±20%	7.0	9.0	49	56
MD1360-330M	33.0	±20%	6.0	8.0	65	75
MD1360-470M	47.0	±20%	5.5	7.0	80	90
MD1360-560M	56.0	±20%	5.3	6.5	101	118
MD1360-680M	68.0	±20%	5.0	6.0	120	140

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:

