

**MD Series**  
**SMD Low Profile High Current Molded Inductor**  
**Size 1350**



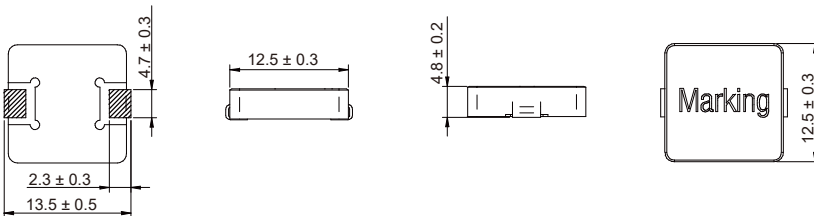
**CHARACTERISTICS**

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

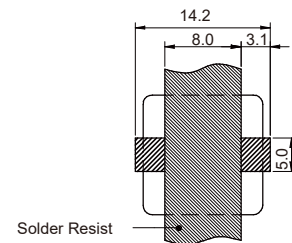
**APPLICATION**

- 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)
MD1350-R20M	0.20	±20%	52	110	0.45	0.55
MD1350-R33M	0.33	±20%	42	80	0.7	0.9
MD1350-R47M	0.47	±20%	38	65	0.86	1.1
MD1350-R68M	0.68	±20%	34	54	1.4	1.7
MD1350-1R0M	1.00	±20%	29	50	1.85	2.5
MD1350-2R2M	2.20	±20%	20	32	4.2	5.5
MD1350-3R3M	3.30	±20%	15	32	6.8	9.2
MD1350-4R7M	4.70	±20%	12	27	11.4	15
MD1350-5R6M	5.60	±20%	11.5	22	12.3	16.5
MD1350-6R8M	6.80	±20%	11	21	14.5	18.5
MD1350-8R2M	8.20	±20%	9.5	18	16.8	22.5
MD1350-100M	10.0	±20%	9.0	16	21.4	25.5
MD1350-120M	12.0	±20%	8.6	15	28	34
MD1350-150M	15.0	±20%	8.2	13	32	38
MD1350-180M	18.0	±20%	7.5	11	40	45

Part No	Inductance (μH)	Tolerance	Temperature Rise Current Typ. (A)	Saturation current Typ. (A)	DCR Typ. (mΩ)	DCR Max. (mΩ)
MD1350-220M	22.0	±20%	6.5	10	50	58
MD1350-330M	33.0	±20%	5.0	8.0	73	88
MD1350-680M	68.0	±20%	3.5	5.5	135	162

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:

