MD Series

SMD Low Profile High Current Molded Inductor

Size 1350

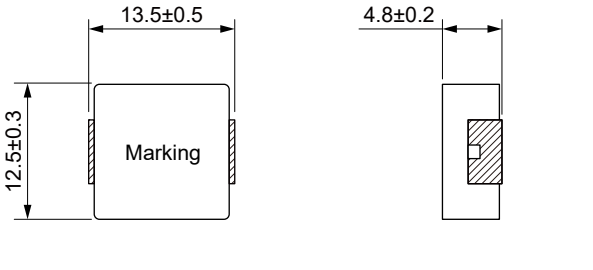
CHARACTERISTICS

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

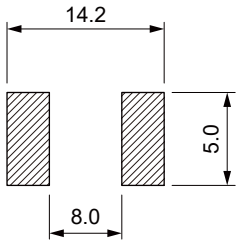
APPLICATION

- High current DC/DC converter
- LC flter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

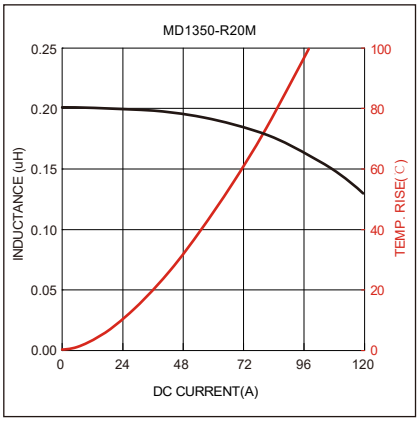
Part No	Inductance @ 100KHz/1V (µH)	Tolerance	Temperature Rise Current Typ. (A)	Saturation current Typ. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
MD1350-R20M	0.20	±20%	52.0	110	0.45	0.55
MD1350-R22M	0.22	±20%	52.0	110	0.50	0.70
MD1350-R33M	0.33	±20%	42.0	80	0.70	0.90
MD1350-R36M	0.36	±20%	42.0	75	0.75	0.95
MD1350-R56M	0.56	±20%	36.0	55	1.00	1.50
MD1350-R68M	0.68	±20%	34.0	54	1.40	1.70
MD1350-R82M	0.82	±20%	31.0	52	1.70	2.10
MD1350-1R0M	1.00	±20%	29.0	50	1.85	2.50
MD1350-1R5M	1.50	±20%	27.0	48	2.80	3.30
MD1350-2R2M	2.20	±20%	20.0	32	4.20	5.50
MD1350-3R3M	3.30	±20%	15.0	32	6.80	9.20
MD1350-4R7M	4.70	±20%	12.0	27	11.4	15.0
MD1350-5R6M	5.60	±20%	11.5	22	12.3	16.5
MD1350-6R8M	6.80	±20%	11.0	21	14.5	18.5
MD1350-8R2M	8.20	±20%	9.50	18	16.8	22.5
MD1350-100M	10.0	±20%	9.00	16	21.4	25.5

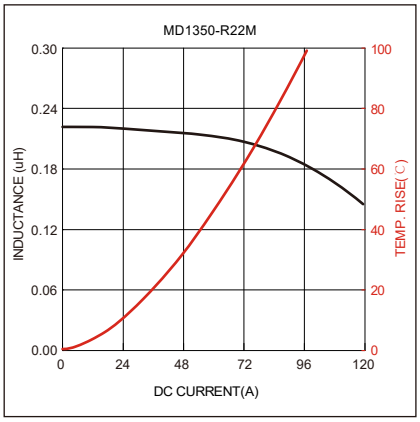
KOHER Electronics
F9, No. 4188, Huaning Rd, Minhang District, Shanghai
021-34753361 Contact@kohergroup.com

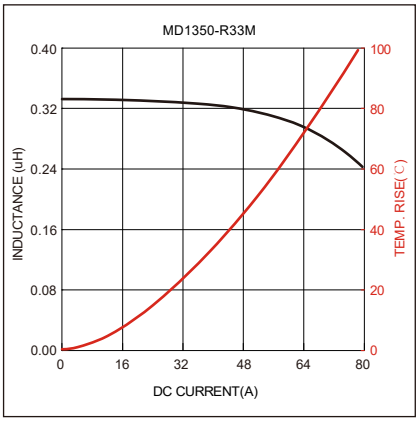
Part No	Inductance @ 100KHz/1V (μH)	Tolerance	Temperature Rise Current Typ. (A)	Saturation current Typ. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
MD1350-150M	15.0	±20%	8.20	13	32.0	38.0
MD1350-220M	22.0	±20%	6.50	10	50.0	58.0
MD1350-330M	33.0	±20%	5.00	8.0	73.0	88.0
MD1350-470M	47.0	±20%	4.00	6.5	100	120

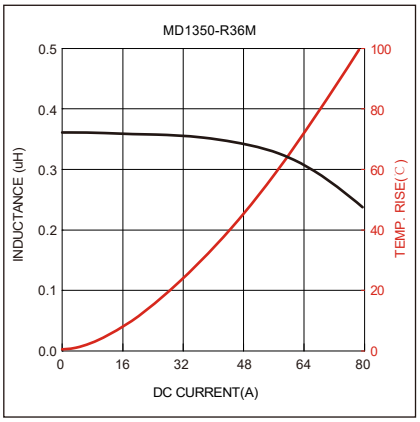
Operating temperature : -40℃ ~ +125℃
Temperature rise current : The actual value of DC current when the temperature rise is ΔT40℃
Saturation Current will cause L to drop approximately 30%

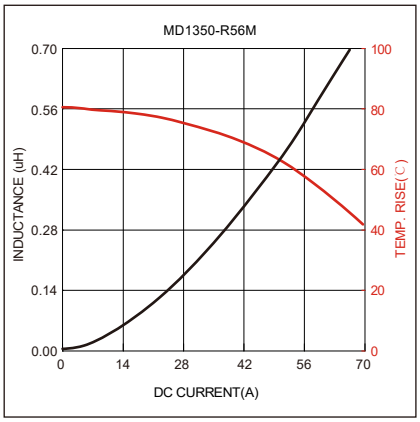
Typical Electrical Characteristics:

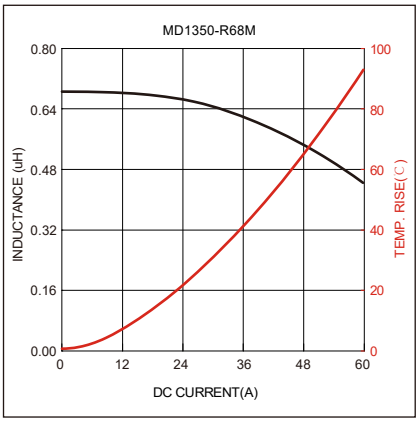


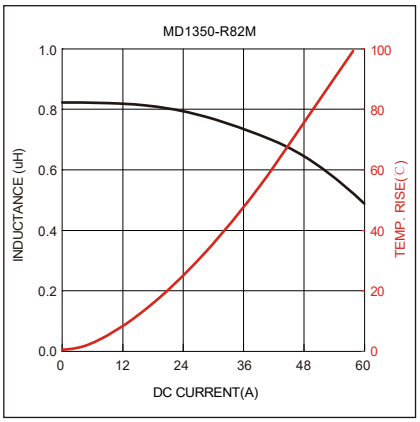


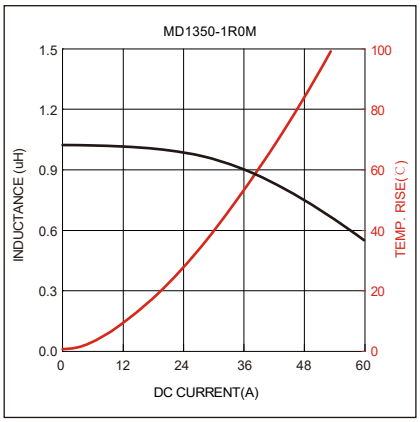


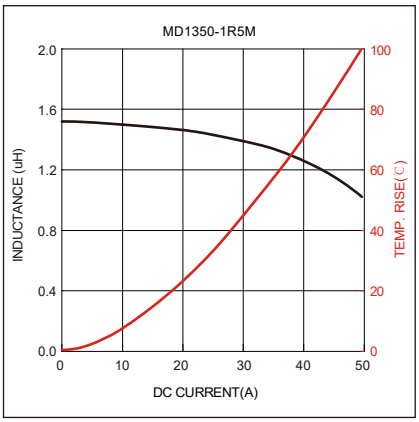






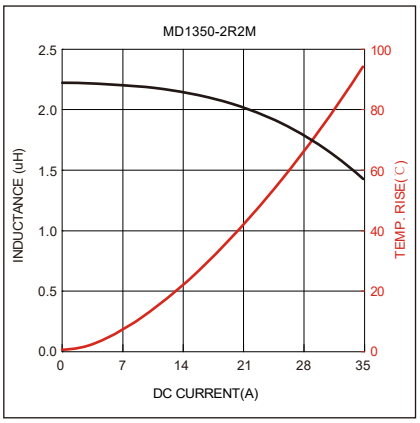


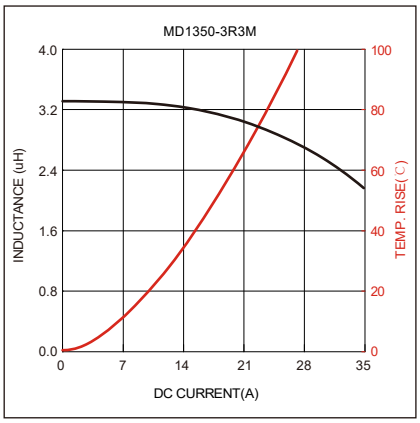


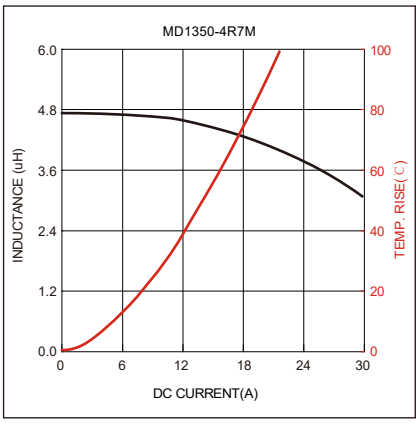


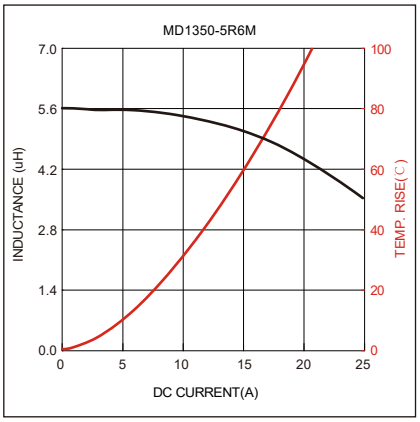
KOHER Electronics
F9, No. 4188, Huaning Rd, Minhang District, Shanghai
021-34753361 Contact@kohergroup.com

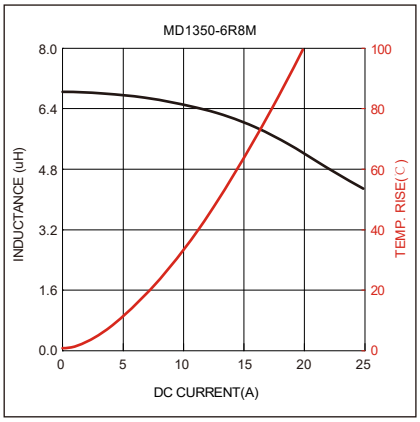
Typical Electrical Characteristics:

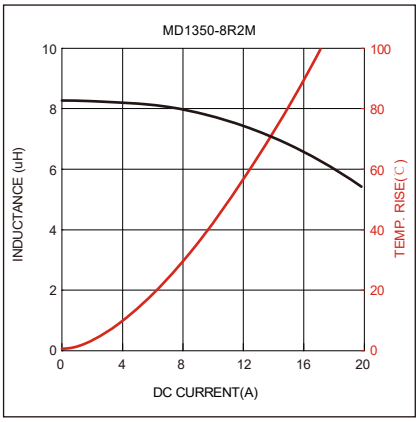


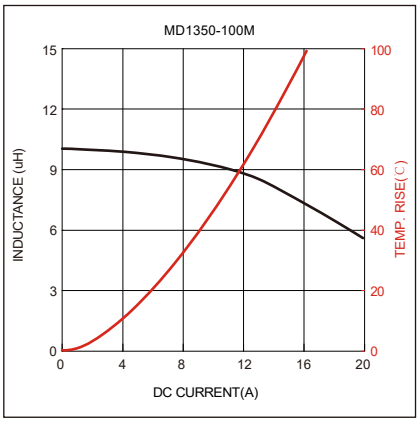


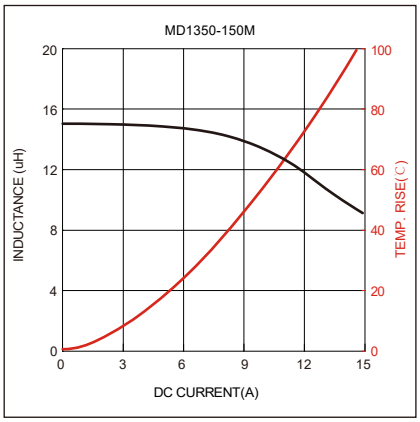


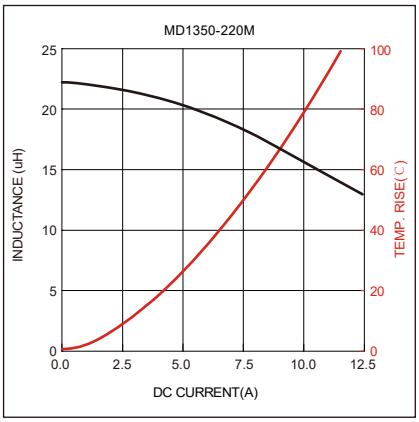


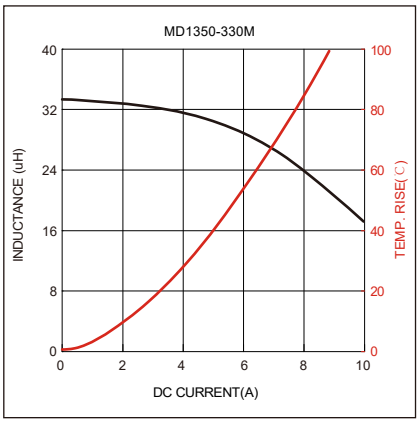


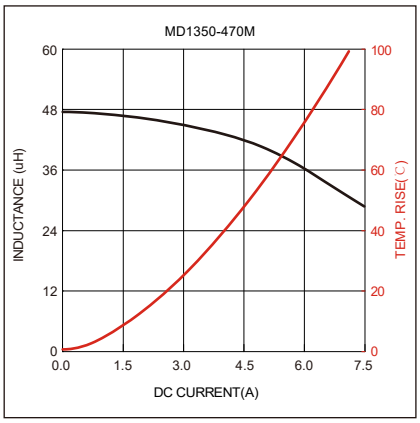












KOHER Electronics
F9, No. 4188, Huaning Rd, Minhang District, Shanghai
021-34753361 Contact@kohergroup.com