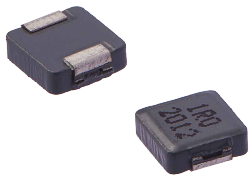
MD Series

SMD Low Profile High Current Molded Inductor

Size 5030



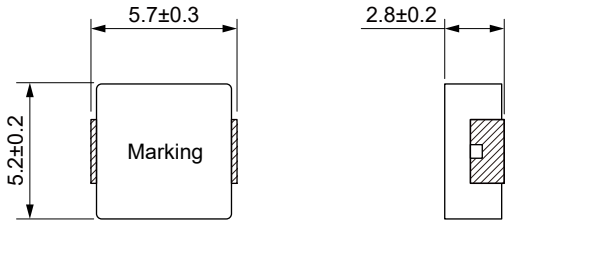
CHARACTERISTICS

- Molded type
- High saturation current due to CIP material
- Nature air gap and no acoustic noise
- Different sizes available
- Quantity: 2000pcs

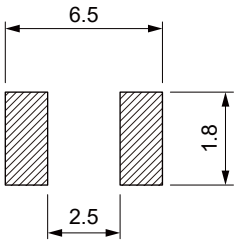
APPLICATION

- High current DC/DC converter
- LC filter

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)
MD5030-R10N	0.10	±30%	23.0	27	2.5	3.0
MD5030-R22M	0.22	±20%	15.5	21	3.7	4.4
MD5030-R33M	0.33	±20%	14.0	18	4.3	5.0
MD5030-R47M	0.47	±20%	12.0	16	6.4	7.4
MD5030-R68M	0.68	±20%	8.50	14	10	12
MD5030-1R0M	1.00	±20%	7.00	11	13	14
MD5030-1R5M	1.50	±20%	6.00	10	16	25
MD5030-2R2M	2.20	±20%	5.50	9.0	25	35
MD5030-3R3M	3.30	±20%	5.00	8.0	32	38
MD5030-4R7M	4.70	±20%	4.60	6.0	50	53
MD5030-5R6M	5.60	±20%	4.25	4.5	55	63
MD5030-6R8M	6.80	±20%	4.00	4.3	68	76.2
MD5030-100M	10.0	±20%	2.75	3.5	110	128
MD5030-150M	15.0	±20%	2.10	2.6	165	190
MD5030-220M	22.0	±20%	1.90	1.7	220	250

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%

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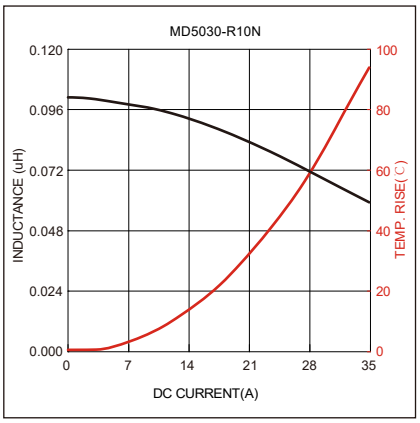
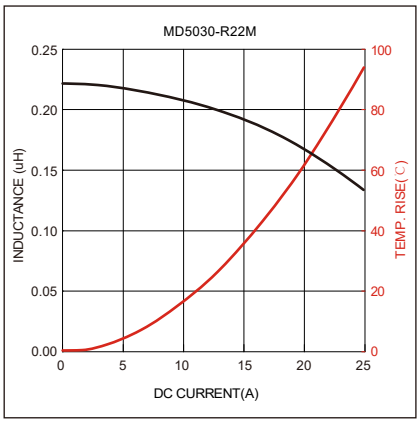
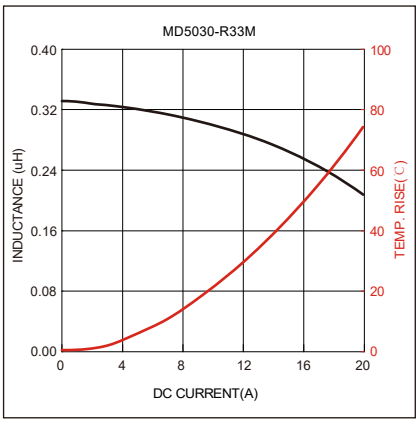
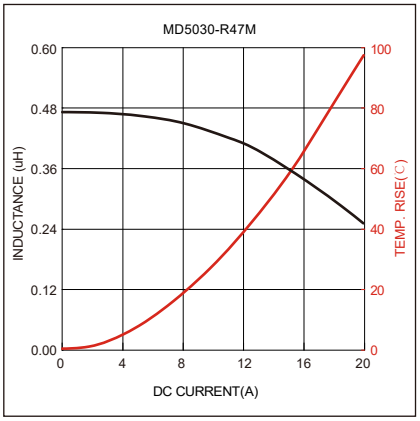
021-34753361 Contact@kohergroup.com

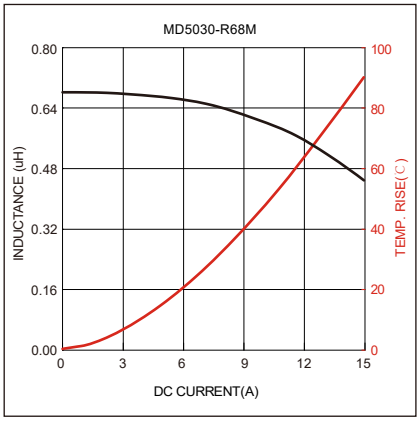
Typical Electrical Characteristics:

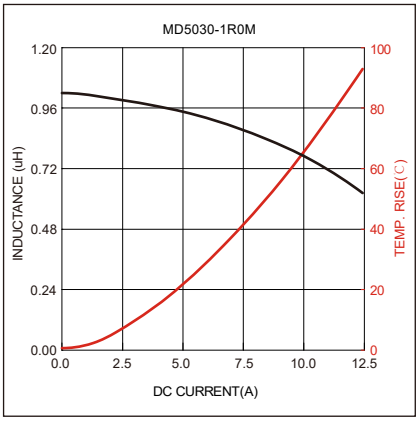


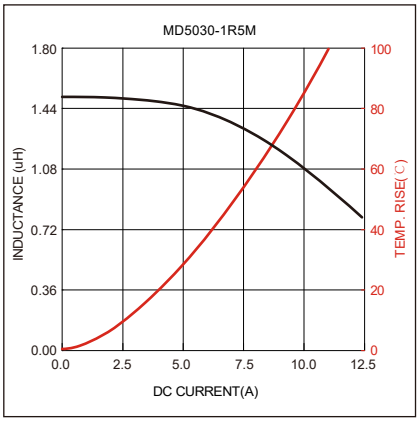


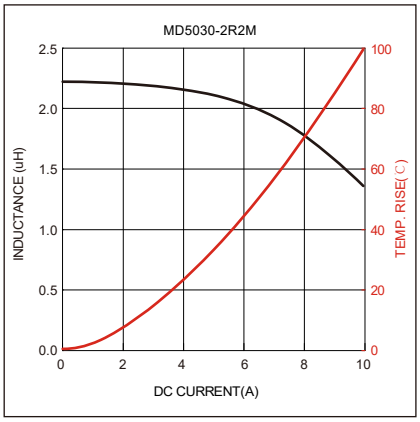


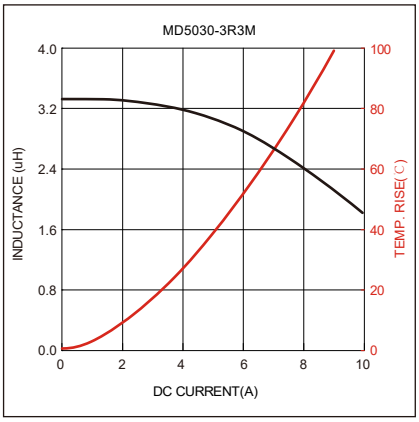


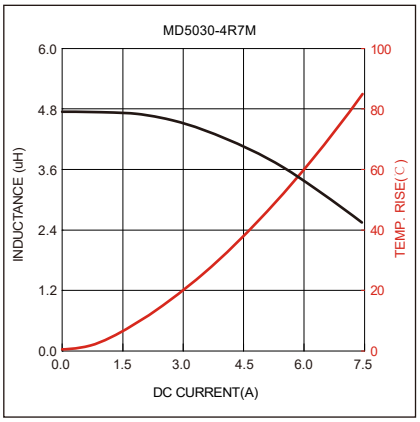


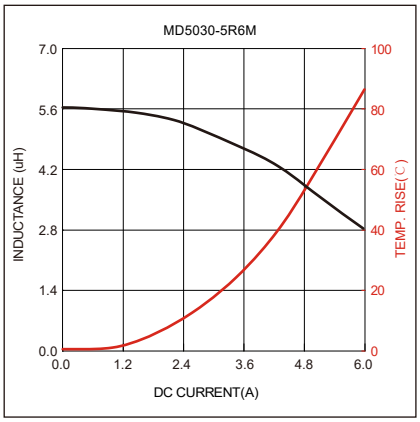


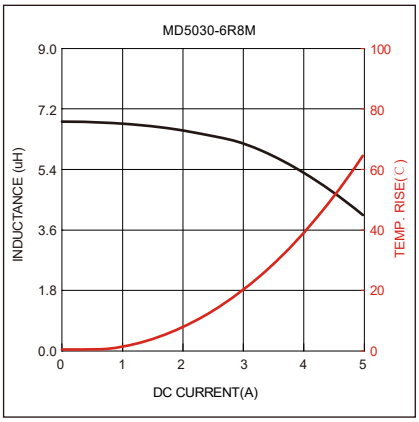












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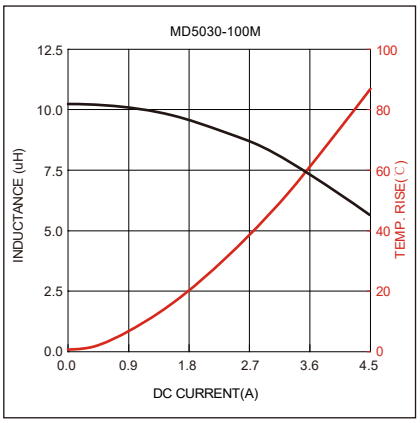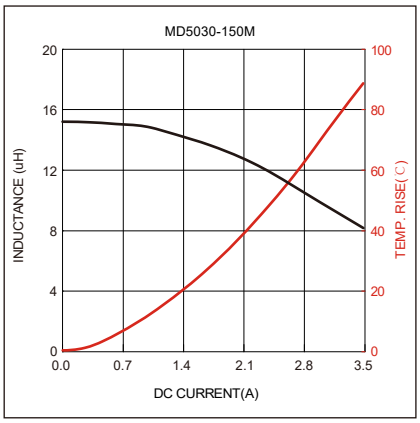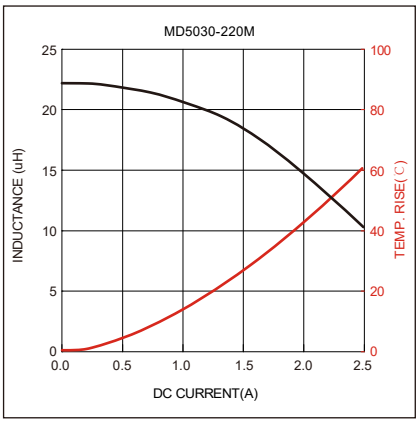
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