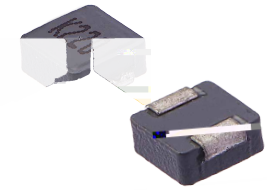
MDCA Series

SMD Power Inductor

Size 4020



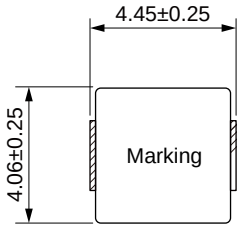
FEATURES

- Shielded construc on.
- Capable of corresponding high frequency.
- Low loss realized with low DCR.
- High performance (Isat) realized by Carbonyl Powder.
- Ultra low buzz noise, due to composite construc on.
- 100% Lead(Pb)-Free and RoHS compliant.
- AEC-Q200 qualified
- Opera ng temperature: -55 to +125 °C(including self-temperature rise)
- Quan ty:3000pcs

APPLICATION

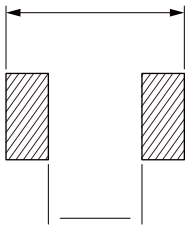
- Headlamps, tail lamps and interior ligh ng
- HVAC
- Doors, window li and seat contro
- Audio subsystem
- Digital instrument cluster
- In-Vehicle Infotainment and naviga on

Dimensions: [mm]





Land Pattern: [mm]



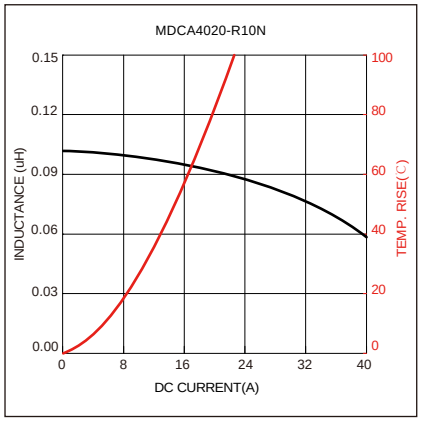
Electrical Properties:

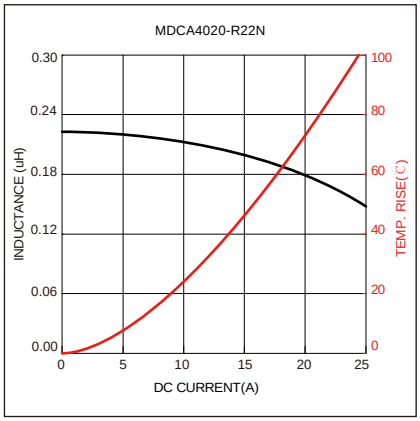
Tolerance	Temperature Rise Current Typ. (A)	Satura on Current Typ. (A)	Inductance @ 100KHz/1V (µH)		
±30%	14.0	35.0		3.20	4.0
±30%	13.0	24.0		6.60	7.3
±20%	10.0	18.0		7.80	8.6
±20%	8.00	12.0		11.2	14
±20%	7.30	10.0		13.5	16
±20%	7.00	10.0		16.0	19
±20%	5.00	8.50		22.0	27
±20%	4.50	7.00		34.8	42
±20%	4.00	6.00		51.0	61
±20%	3.50	4.00		69.0	76
±20%	2.60	3.50		95.0	105
±20%	2.20	3.00	0.10	112	125
±20%	2.10	2.80	0.22	150	172
±20%	2.00 g	e 2.50	0.33	158	180
	MDCA4020-R47M		0.47		
	MDCA4020-R56M		0.56		
	MDCA4020-R68M		0.68		
	MDCA4020-1R0M		1.00		

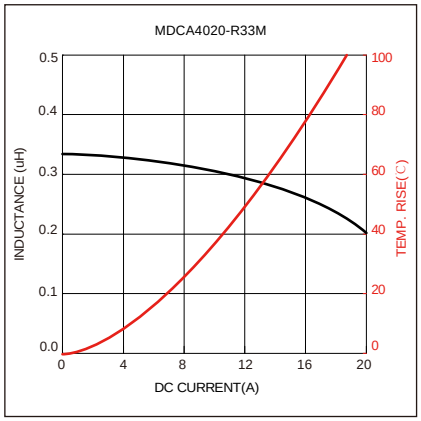
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4546 BATES DRIVE, YORBLINDA CA 92886 USA
714-325-4789 Contact@kohergroup.com

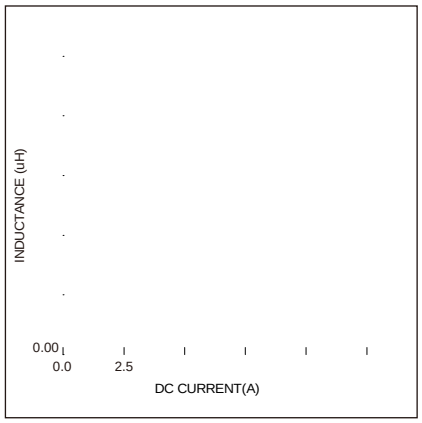
Part No	Inductance @ 100KHz/1V (μH)	Tolerance				
MDCA4020-100M	10.0	±20%	1.80	2.30	215	243
MDCA4020-150M	15.0	±20%	1.50	1.90	325	374
MDCA4020-220M	22.0	±20%	1.20	1.40	470	500

Typical Electrical Characteristics:

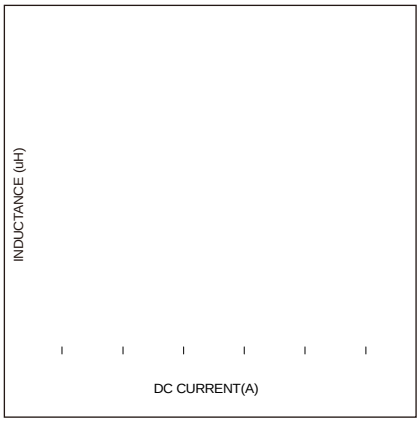




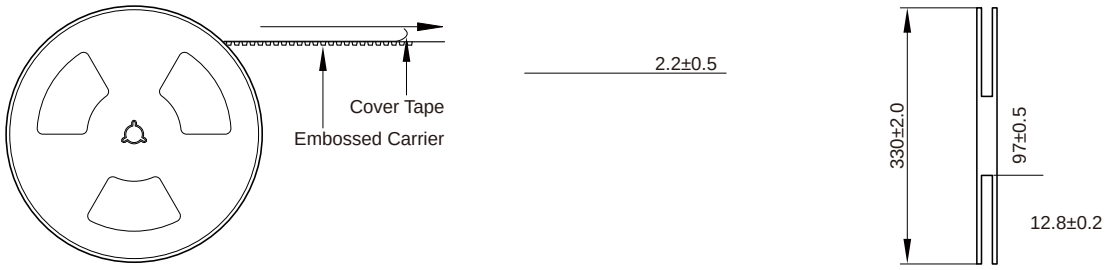




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INDUCTANCE (uH)
DC CURRENT(A)

Reel Dimension：[mm]



Packaging Quantity:



3000 Pcs/Reel

3 Reel /Inner box(9000 Pcs)

3 Inner box/Carton box(27K Pcs)

Cautions and Warnings:

Storage Conditions：

- The storage period is within 12 months after the completion of pro64.1ionplet50 0 1ionplet5042 344 0 c504919 96.6229
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-

Operation Instructions:

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