MDA Series

SMD Low Profile High Current Molded Inductor

Size 2313

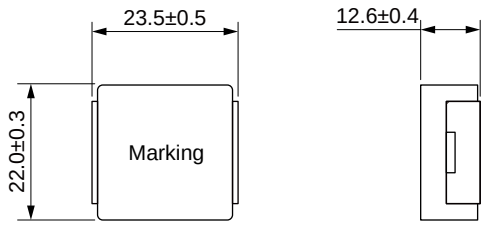
FEATURES

- Shielded construc on
- Capable of corresponding high frequency .
- Low loss realized with low DCR.
- High performance (Isat) realized by metal dust core.
- Ultra low buzz noise, due to composite construc on.
- 100% Lead(Pb)-Free and RoHS compliant.
- AEC-Q200 qualified
- Opera ng temperature: -55 to +155 °C (including self-temperature rise)
- Quan ty: 80PCS

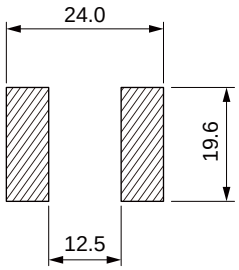
APPLICATION

- Headlamps, tail lamps and interior ligh ng
- HVAC
- Doors, window li and seat control
-
-
-

Dimensions: [mm]



Land Pattern: [mm]

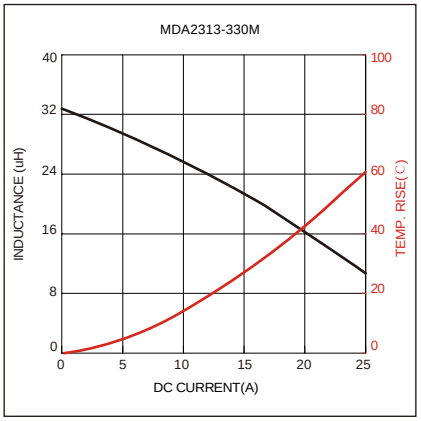


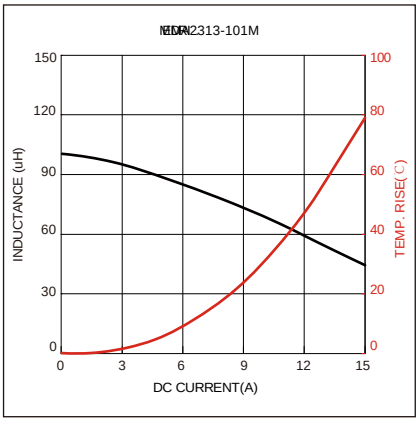
Electrical Properties:

	(μH)			Satura on	(mΩ)	(mΩ)
MDA2313-1R0M	1.00	±20%	70.0	60.0	0.80	0.95
MDA2313-1R5M	1.50	±20%	62.0	52.0	1.00	1.15
MDA2313-2R2M	2.20	±20%	58.0	48.0	1.05	1.25
MDA2313-3R3M	3.30	±20%	49.0	41.0	1.50	1.75
MDA2313-4R7M	4.70	±20%	47.0	38.0	1.90	2.20
MDA2313-6R8M	6.80	±20%	40.0	36.0	2.70	3.10
MDA2313-100M	10.0	±20%	33.0	28.0	3.80	4.15
MDA2313-150M	15.0	±20%	26.0	23.0	5.10	6.12
MDA2313-220M	22.0	±20%	22.0	15.0	9.20	11.0
MDA2313-330M	33.0	±20%	19.0	12.0	13.5	15.4
MDA2313-470M	47.0	±20%	17.0	12.0	17.3	20.8

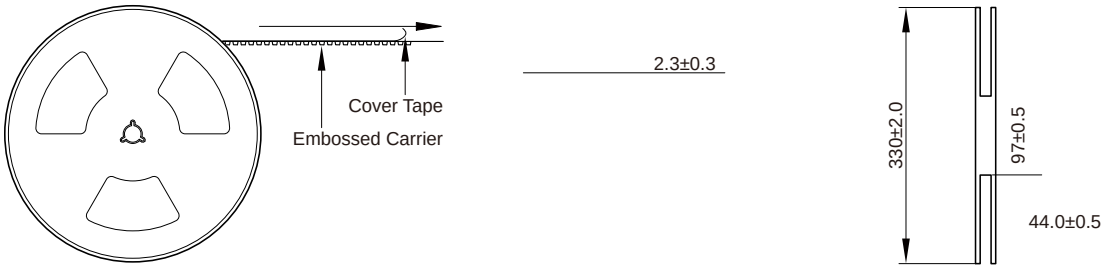
		Satura on	
	±20%	12.0	26.2
	±20%	9.0	31.0
	±20%	9.0	36.0

Typical Electrical Characteristics:

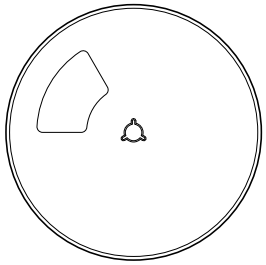

MDA2313-330M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
40
32
24
16
8
0
100
80
60
40
20
0
0
5
10
15
20
25


MDA2313-101M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
150
120
90
60
30
0
100
80
60
40
20
0
0
3
6
9
12
15

Reel Dimension：[mm]



Packaging Quantity:



80 Pcs/Reel	1 Reel /Inner box(80 Pcs)	3 Inner box/Carton box(240 Pcs)

Cautions and Warnings:

Storage Conditions：

Operation Instructions: