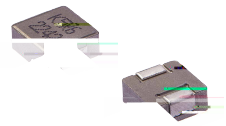
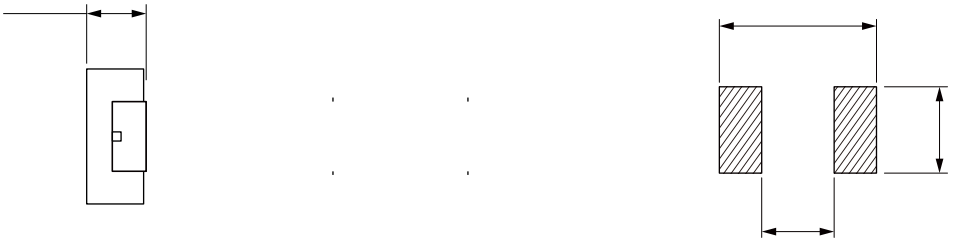


FEATURES

- 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: 1000PCS

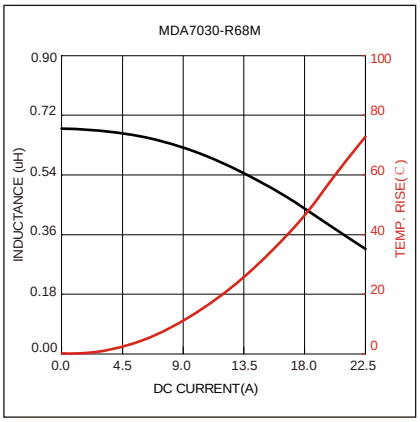
APPLICATION

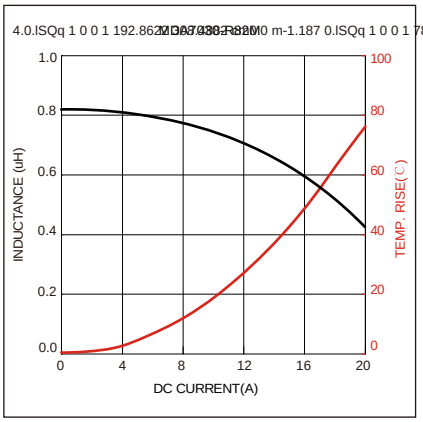
- Headlamps, tail lamps and interior ligh ng
- HVAC
- Doors, window li and seat control
- Audio subsystem
- Digital instrument cluster
- In-Vehicle Infotainment and naviga on

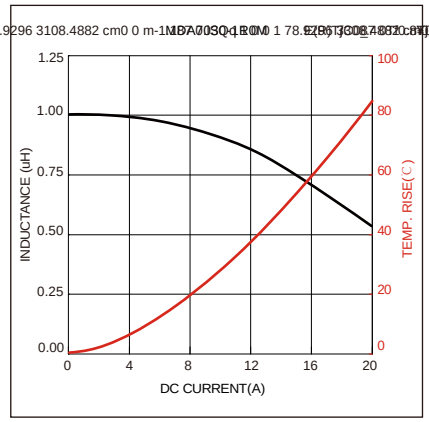


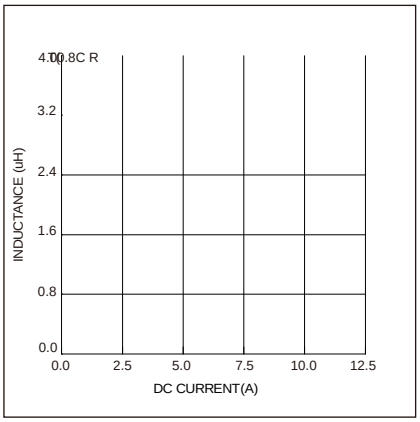
Part No	Inductance @ 100KHz/1V (μH)	Tolerance	Temperature Rise Current Typ. (A)	Temperature Rise Current Max. (A)	Satura on Current Typ. (A)	Satura on Current Max. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
MDA7030-R15N	0.15	±30%	30.0	25.0	40.0	36.0	1.70	2.10
MDA7030-R22M	0.22	±20%	23.0	21.0	34.0	32.0	2.00	2.50
MDA7030-R33M	0.33	±20%	21.0	20.0	25.0	22.0	2.80	3.40
MDA7030-R36M	0.36	±20%	20.0	18.0	24.0	21.0	3.30	3.90
MDA7030-R47M	0.47	±20%	18.0	16.0	20.0	18.0	3.40	4.00
MDA7030-R56M	0.56	±20%	16.5	15.0	18.0	16.0	3.90	4.50
MDA7030-R68M	0.68	±20%	16.0	14.5	17.0	15.0	4.70	5.30
MDA7030-R82M	0.82	±20%	14.0	13.0	16.0	14.0	5.40	6.00
MDA7030-1R0M	1.00	±20%	12.0	11.0	15.0	13.5	6.70	7.40
MDA7030-1R2M	1.20	±20%	10.0	9.5	14.0	12.5	7.70	9.50

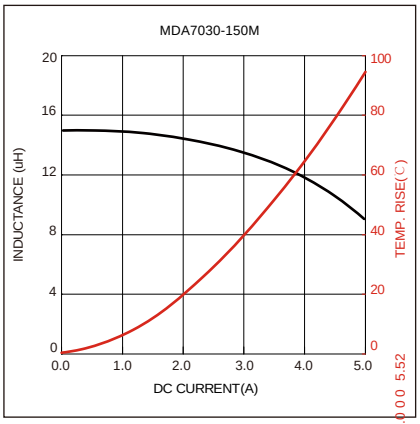
Tolerance	Satura on Current Typ. (A)	DC Resistance Typ.
±20%	14.0	10.2
±20%	10.0	13.5
±20%	9.5	19.0
±20%	6.5	28.0
±20%	6.0	39.0
±20%	6.0	43.0
±20%	6.0	54.0
±20%	5.5	62.0
±20%	4.5	110
±20%	3.0	150
±20%	2.5	215
±20%	2.0	318

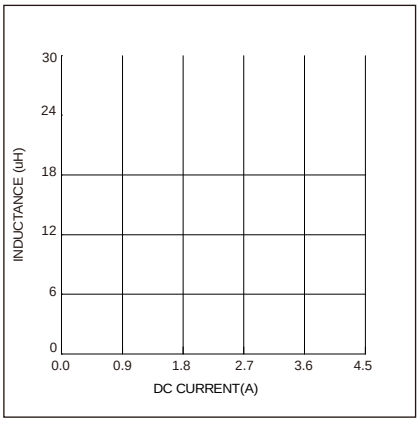

MDA7030-R68M
INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
0.90
0.72
0.54
0.36
0.18
0.00
100
80
60
40
20
0
0.0
4.5
9.0
13.5
18.0
22.5

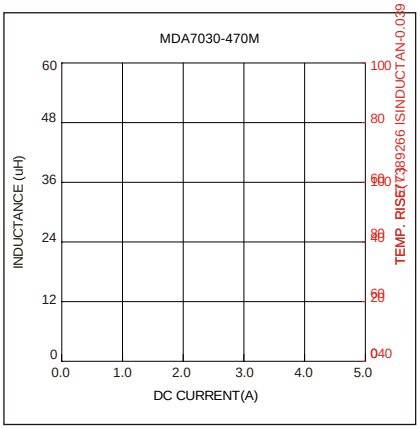

INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
1.0
0.8
0.6
0.4
0.2
0.0
100
80
60
40
20
0
0
4
8
12
16
20


INDUCTANCE (uH)
TEMP. RISE(℃)
DC CURRENT(A)
1.25
1.00
0.75
0.50
0.25
0.00
100
80
60
40
20
0
0
4
8
12
16
20

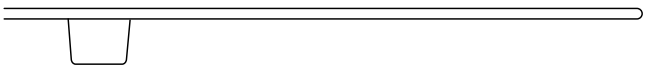

INDUCTANCE (uH)
DC CURRENT(A)
4.0
3.2
2.4
1.6
0.8
0.0
0.0
2.5
5.0
7.5
10.0
12.5



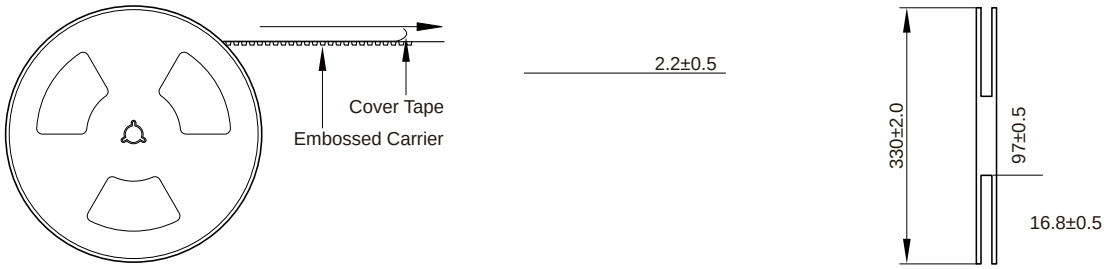




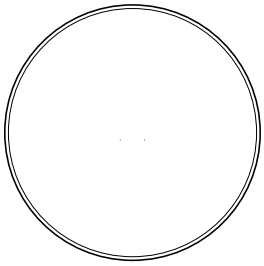
(7389266 ISINDUCTAN-0.039 Tc 0.0 0 0 5.52



Reel Dimension：[mm]



Packaging Quantity:



1000 Pcs/Reel

2 Reel /Inner box(2000 Pcs)

3 Inner box/Carton box(6K Pcs)

Cautions and Warnings:

Storage Conditions：

Operation Instructions: