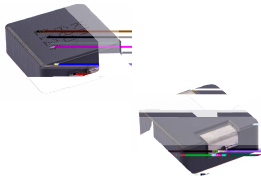


MDCA Series

SMD Power Inductor

Size 1350



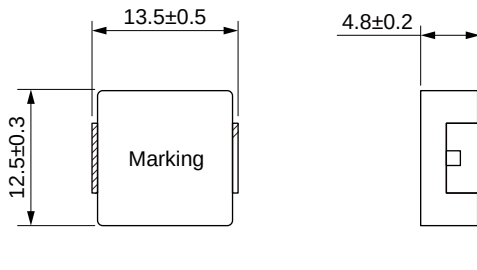
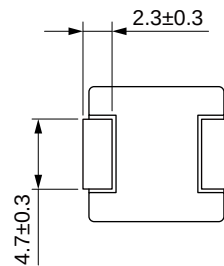
FEATURES

- Shielded construction.
- 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 construction.
- 100% Lead(Pb)-Free and RoHS compliant.
- AEC-Q200 qualified
- Operating temperature: -55 to +125 °C(including self-temperature rise)
- Quantity: 500pcs

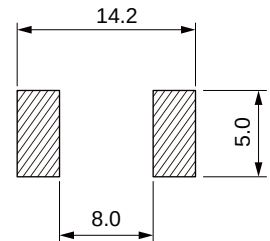
APPLICATION

- Headlamps, tail lamps and interior lighting
- HVAC
- Doors, window lift and seat control
- Audio subsystem
- Digital instrument cluster
- In-Vehicle Infotainment and navigation

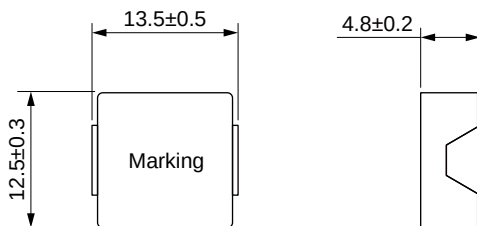
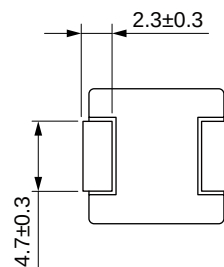
Dimensions: [mm] $L > 1.5\mu H$



Land Pattern: [mm]



Dimensions: [mm] $L \leq 1.5\mu H$



Electrical Properties:

Part No	Inductance @ 100KHz/1V (μH)	Tolerance	Temperature Rise Current Typ. (A)	Saturation Current Typ. (A)	DC Resistance Typ. (m Ω)	DC Resistance Max. (m Ω)
MDCA1350-R20M	0.20	±20%	52.0	110	0.45	0.55
MDCA1350-R22M	0.22	±20%	52.0	110	0.50	0.70
MDCA1350-R33M	0.33	±20%	42.0	80.0	0.70	0.90
MDCA1350-R36M	0.36	±20%	42.0	75.0	0.75	0.95
MDCA1350-R47M	0.47	±20%	38.0	65.0	0.86	1.10

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

