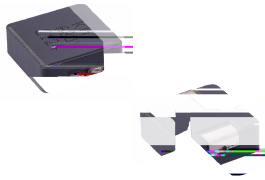


# MDCA Series

## SMD Power Inductor

### Size 1350



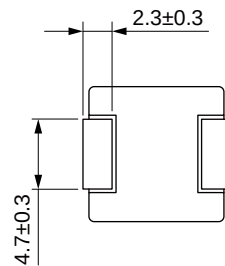
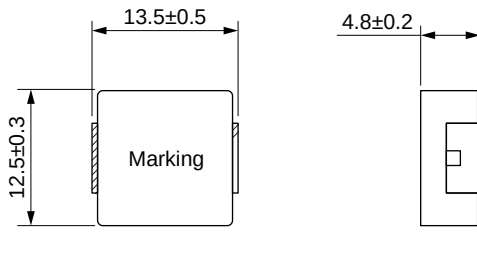
#### FEATURES

- 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

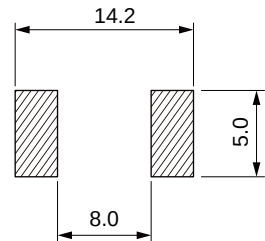
#### APPLICATION

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

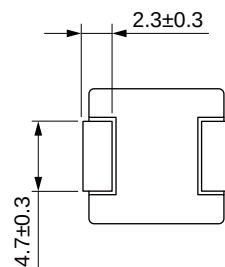
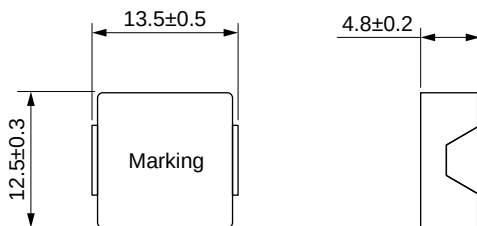
Dimensions: [mm]  $L > 1.5\mu H$



Land Pattern: [mm]



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



Electrical Properties:

| Part No       | Inductance<br>@ 100KHz/1V | Tolerance | Temperature<br>Rise Current<br>Typ. | Current<br>Typ. | DC<br>Resistance<br>Typ. | DC<br>Resistance<br>Max. |
|---------------|---------------------------|-----------|-------------------------------------|-----------------|--------------------------|--------------------------|
| 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 run across the width of the page. There are no margins or other markings visible.

