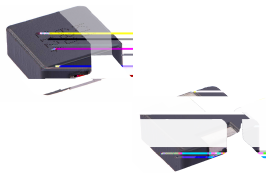




# MDCA Series

## SMD Power Inductor

### Size 1350



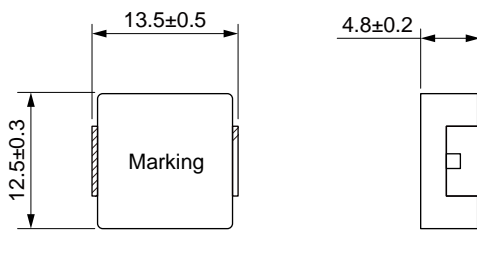
#### FEATURES

- 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

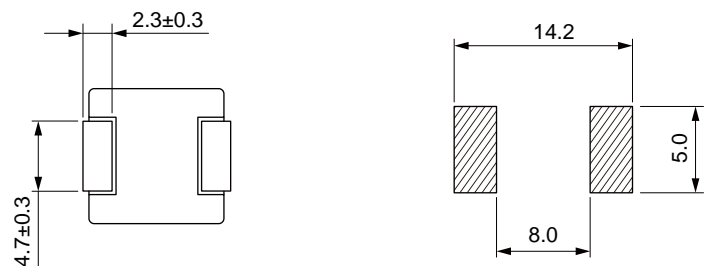
#### APPLICATION

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

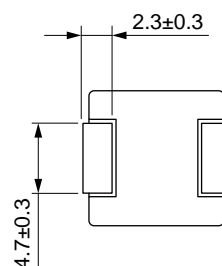
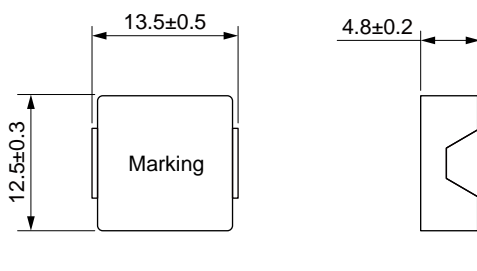
Dimensions: [mm] L > 1.5μH



Land Pattern: [mm]



Dimensions: [mm] L ≤ 1.5μH



Electrical Properties:

| Part No       | Inductance @ 100KHz/1V | Tolerance | Temperature Rise Current Typ. | Current Typ. | DC Resistance Typ. | DC Resistance 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               |



