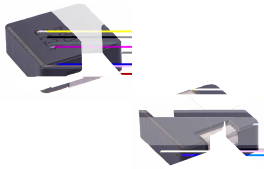


MDCA Series

SMD Power Inductor

Size 1350



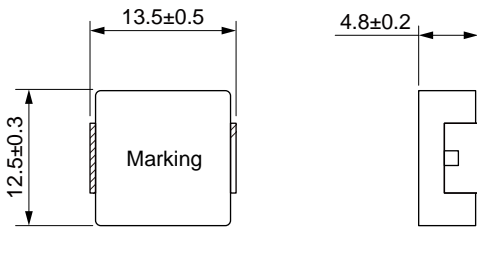
FEATURES

- 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

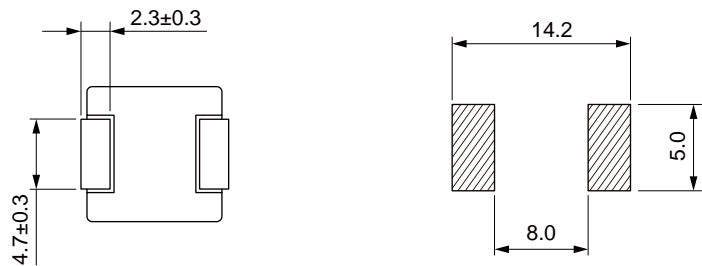
APPLICATION

- Headlamps, tail lamps and interior lighting
- Doors, window lift and seat control
- In-Vehicle Infotainment and navigation

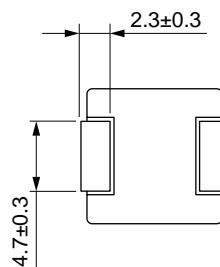
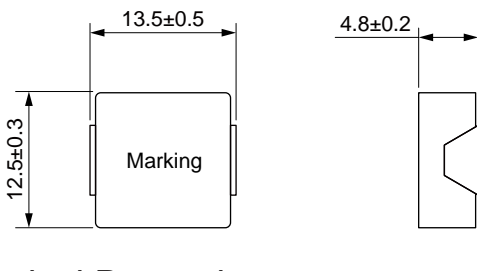
Dimensions: [mm] L > 1.5µH



Land Pattern: [mm]



Dimensions: [mm] L ≤ 1.5µH



Electrical Properties:

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

