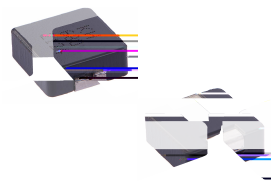
# MDCA Series

SMD Power Inductor

Size 1350



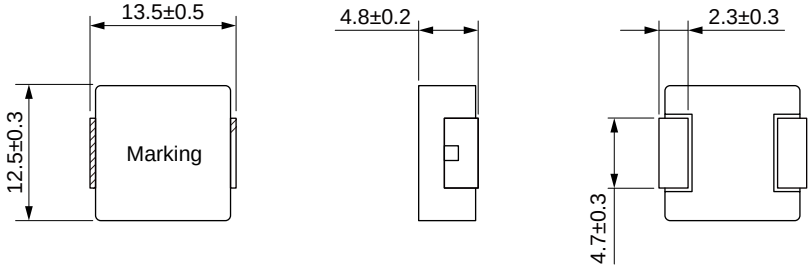
## FEATURES

- Shielded construc on.
- 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 construc on.
- 100% Lead(Pb)-Free and RoHS compliant.
- AEC-Q200 qualified
- Opera ng temperature: -55 to +125 °C(including self-temperature rise)
- Quan ty:500pcs

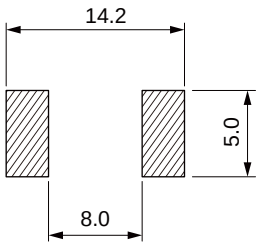
## APPLICATION

- 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

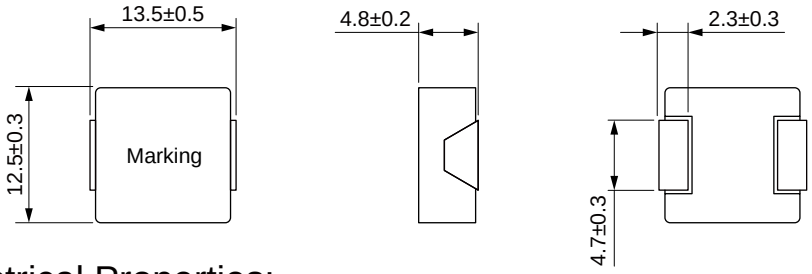
## Dimensions: [mm] L＞1.5μH




## Land Pattern: [mm]



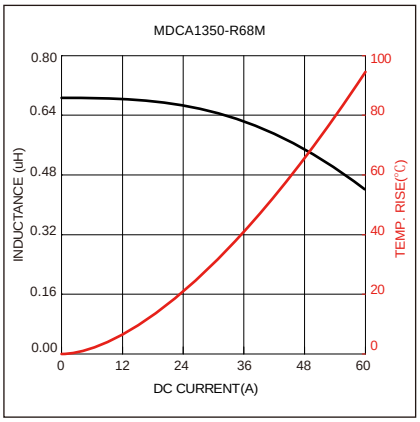

## Dimensions: [mm] L≤1.5μH

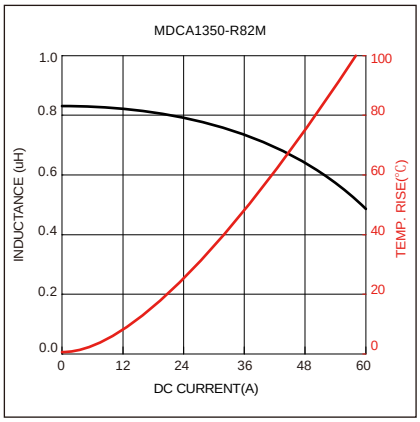


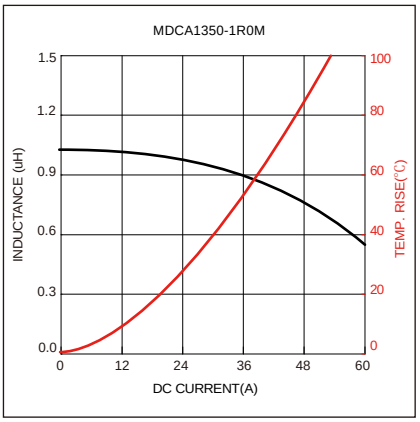

## Electrical Properties:

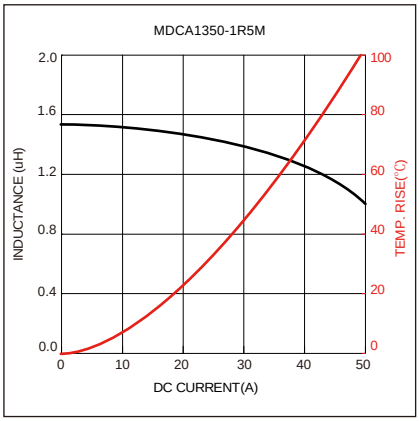
| Part No | Inductance @ 100KHz/1V | Tolerance | Temperature Rise Current Typ. | Current Typ. | DC Resistance Typ. | DC Resistance Max. |
|---|---|---|---|---|---|---|
| MDCA1350-R20M | 0.20 | ±20% | 52.0 | 110 | 0.45 | 0.55 |
| MDCA1350-R22M | 0.22 | ±20% | 52.0 | 110 | 0.50 | 0.70 |
| MDCA1350-R33M | 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 |

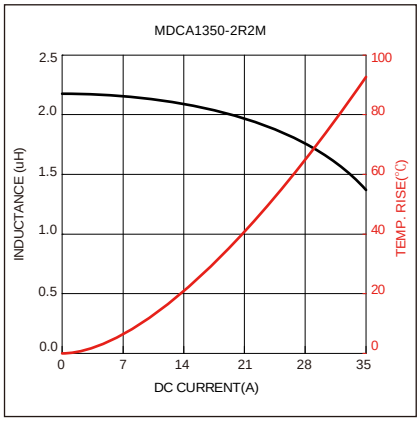
**Tolerance**

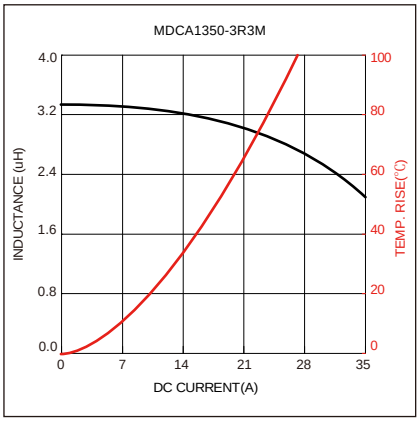

MDCA1350-R68M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)

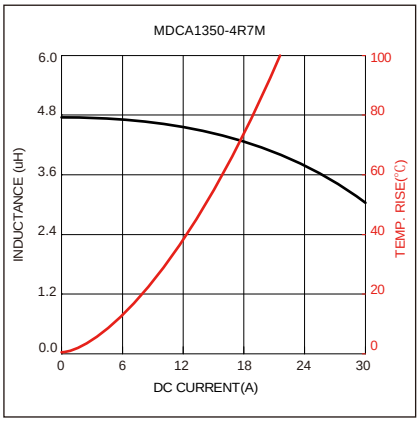

MDCA1350-R82M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)

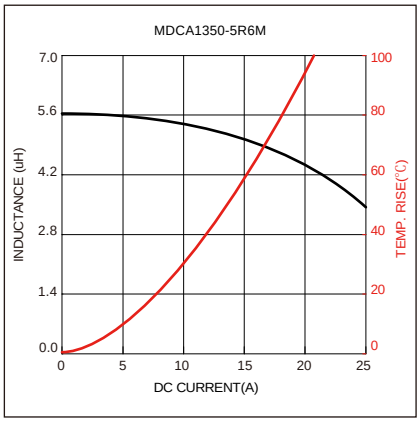

MDCA1350-1R0M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)

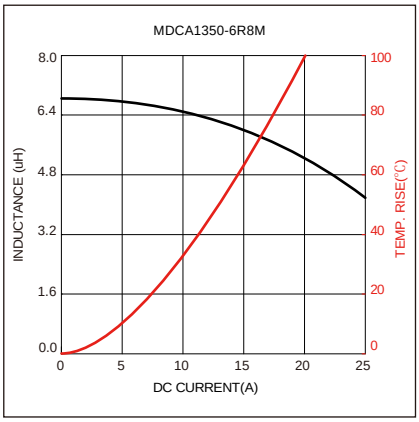

MDCA1350-1R5M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)

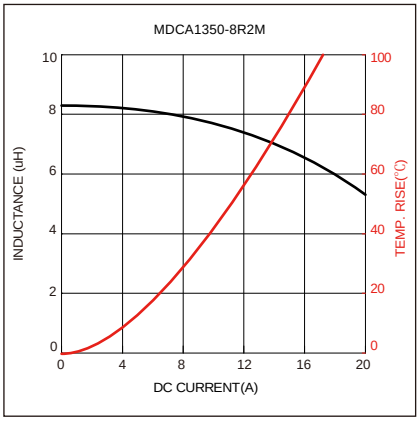

MDCA1350-2R2M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)

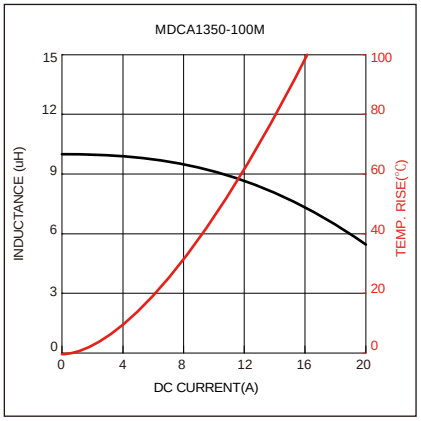

MDCA1350-3R3M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)

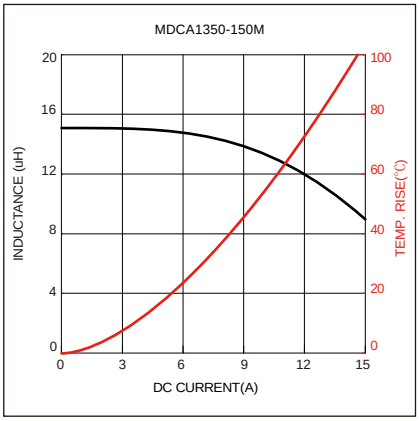

MDCA1350-4R7M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)


MDCA1350-5R6M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)


MDCA1350-6R8M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)


MDCA1350-8R2M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)


MDCA1350-100M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)


MDCA1350-150M
INDUCTANCE (uH)
TEMP. RISE(°C)
DC CURRENT(A)