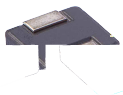
# MDCA Series

SMD Power Inductor

Size 7030



## FEATURES

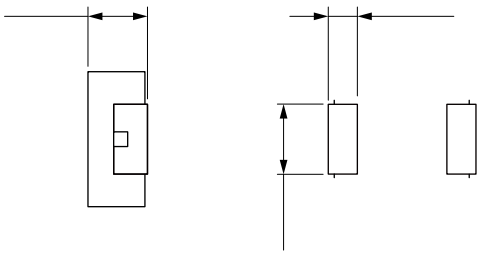
- Shielded construc on.
- Capable of corresponding high frequency.
- Low loss realized with low DCR.
- High performance (Isat) realized by Carbonyl Powder.
- Ultra low buzz noise, due to composite construc on.
- 100% Lead(Pb)-Free and RoHS compliant.
- AEC-Q200 qualified

  Opera ng temperature: -55 to +125 °C(including self-temperature rise)
- Quan ty: 1000pcs

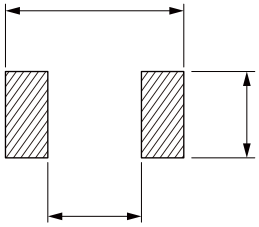
## APPLICATION

- 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]



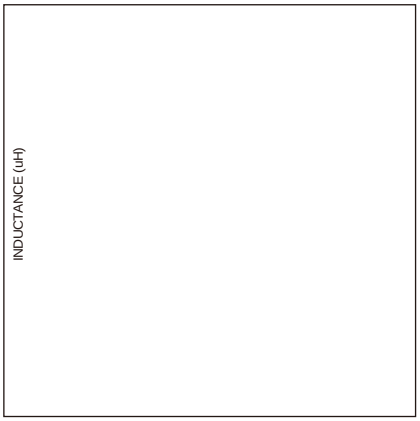
## Land Pattern: [mm]

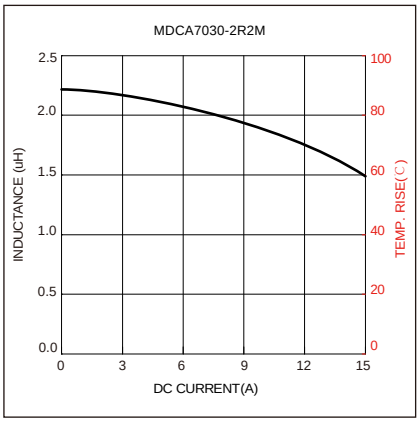


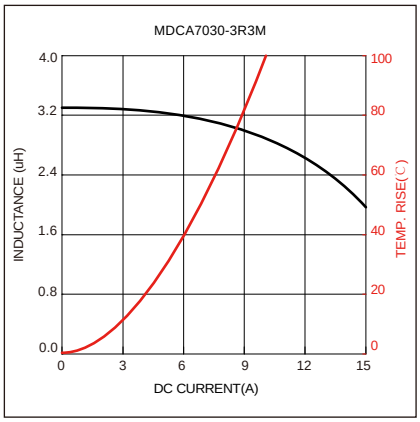
## Electrical Properties:

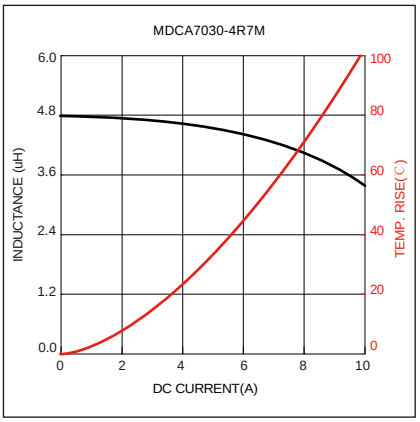
| | (μH) | | | Satura on | (mΩ) | (mΩ) |
|---|---|---|---|---|---|---|
| MDCA7030-R10N | 0.10 | ±30% | 32.5 | 60.0 | 1.20 | 1.70 |
| MDCA7030-R22N | 0.22 | ±30% | 23.0 | 40.0 | 2.10 | 2.80 |
| MDCA7030-R33M | 0.33 | ±20% | 20.0 | 32.0 | 3.50 | 3.90 |
| MDCA7030-R47M | 0.47 | ±20% | 17.5 | 26.0 | 4.00 | 4.20 |
| MDCA7030-R56M | 0.56 | ±20% | 16.5 | 25.5 | 4.70 | 5.00 |
| MDCA7030-R68M | 0.68 | ±20% | 15.5 | 25.0 | 4.80 | 5.50 |
| MDCA7030-R82M | 0.82 | ±20% | 13.0 | 24.0 | 6.70 | 8.00 |
| MDCA7030-1R0M | 1.00 | ±20% | 11.0 | 22.0 | 8.30 | 10.0 |
| MDCA7030-1R5M | 1.50 | ±20% | 9.00 | 18.0 | 13.0 | 15.0 |
| MDCA7030-2R2M | 2.20 | ±20% | 8.00 | 14.0 | 18.0 | 20.0 |
| MDCA7030-3R3M | 3.30 | ±20% | 6.00 | 13.5 | 28.0 | 30.0 |
| MDCA7030-4R7M | 4.70 | ±20% | 5.50 | 10.0 | 37.0 | 40.0 |
| MDCA7030-5R6M | 5.60 | ±20% | 5.00 | 9.00 | 43.0 | 48.0 |
| MDCA7030-6R8M | 6.80 | ±20% | 4.50 | 8.00 | 54.0 | 60.0 |
| MDCA7030-8R2M | 8.20 | ±20% | 4.00 | 7.50 | 64.0 | 68.0 |

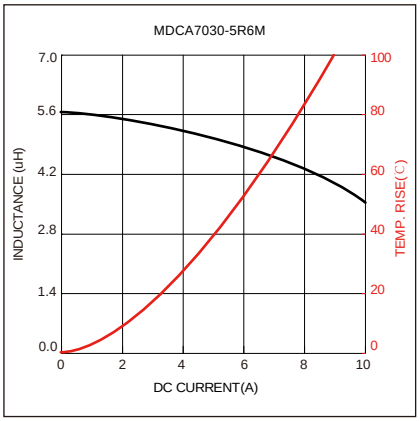
| | (μH) | | | | | |
|---|---|---|---|---|---|---|
| MDCA7030-100M | 10.0 | ±20% | 3.50 | 6.00 | 75.0 | 85.0 |
| MDCA7030-150M | 15.0 | ±20% | 3.00 | 4.00 | 107 | 123 |
| MDCA7030-220M | 22.0 | ±20% | 2.00 | 3.50 | 165 | 190 |

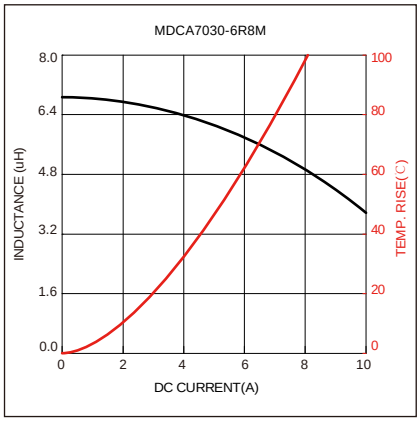


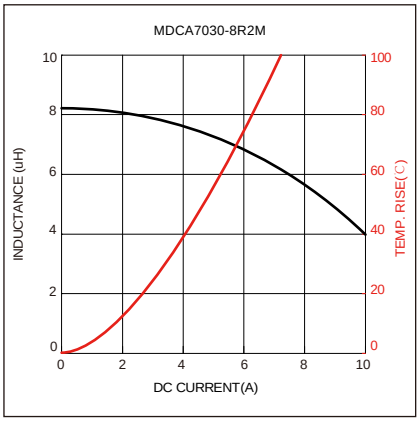


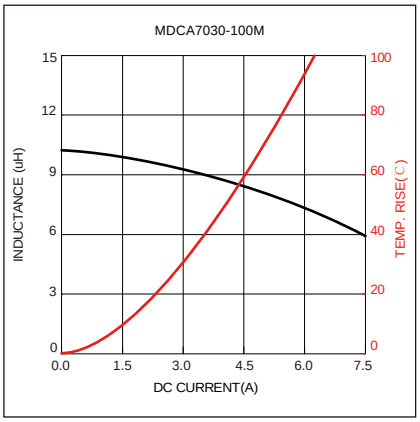



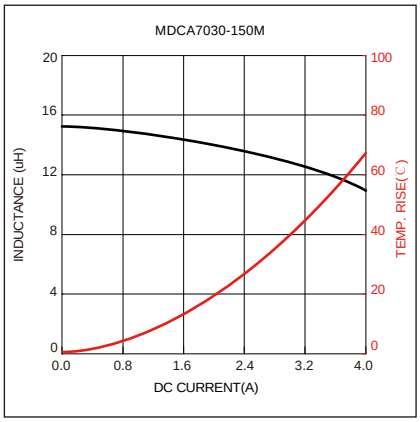



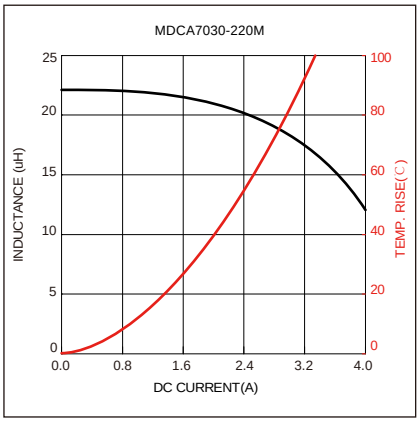




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