

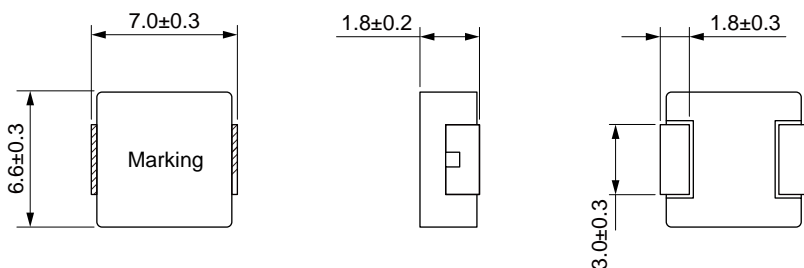


SMD Power Inductor Size 6020

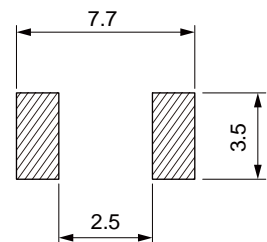
- Shielded construction.
- Capable of corresponding high frequency.
- Low loss realized with low DCR.
- High performance (Isat) realized by Carbonyl Powder.
- Ultra low buzz noise, due to composite construction.
- 100% Lead(Pb)-Free and RoHS compliant.
- AEC-Q200 qualified.
- Operating temperature: -55 to +125 °C(including self-temperature rise)
- Quantity: 1500pcs

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

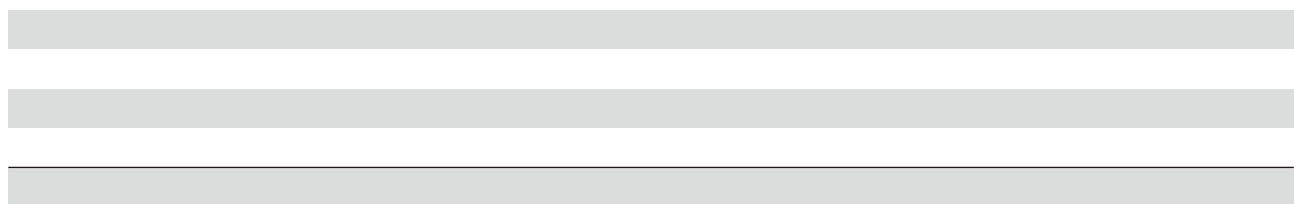
Dimensions: [mm]



Land Pattern: [mm]



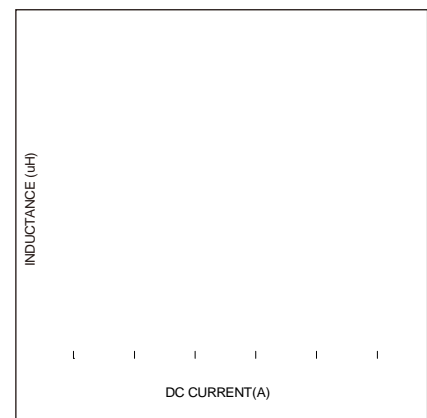
Electrical Properties:

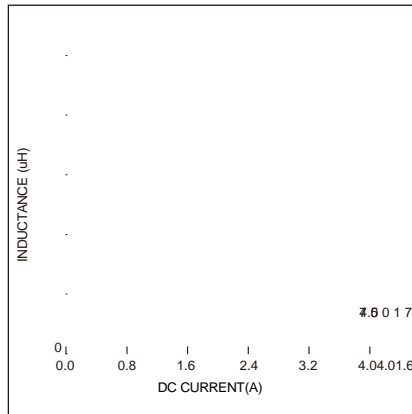
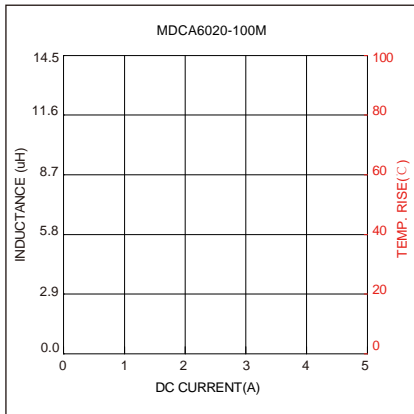
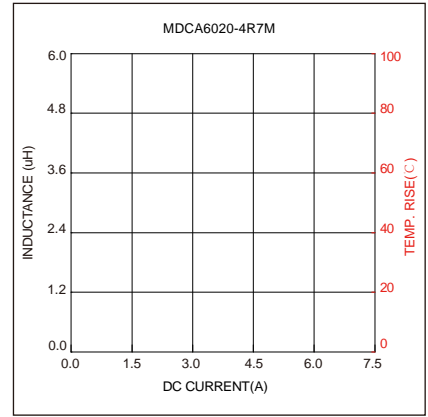
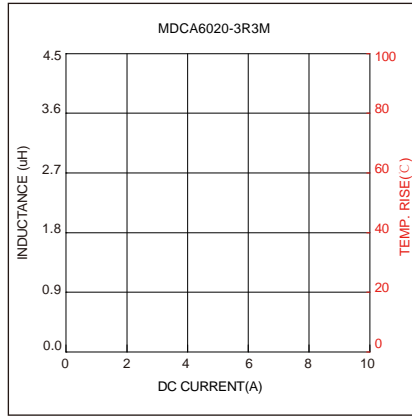


| Temperature Rise Current (A) | Current (A) | | |
|------------------------------|-------------|------|------|
| 21.0 | | 20 | 24 |
| 18.0 | | 23 | 27 |
| 15.0 | K | 35 | 40 |
| 14.0 | K | 45 | 50 |
| 11.7 | K | 7.1 | 8.3 |
| 11.0 | K | 7.9 | 9.3 |
| 10.5 | K | 8.3 | 10.0 |
| 8.0 | K | 16.5 | 18.0 |
| 7.0 | K | 23.0 | 27.0 |
| 6.0 | K | 32.0 | 37.0 |



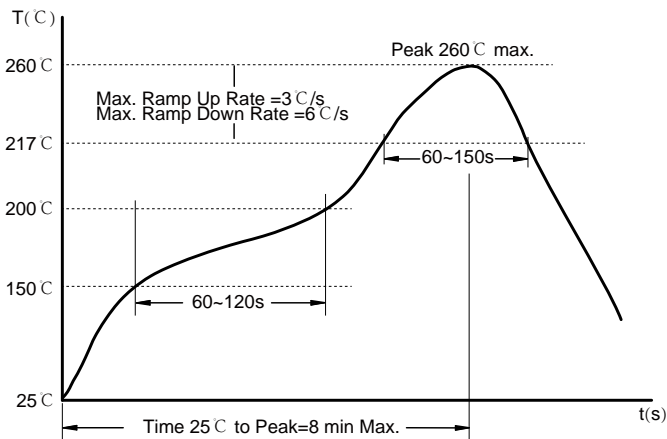
| Part No | Inductance @ 100KHz/1V | Tolerance | | | | |
|---------------|------------------------|-----------|-----|-----|--|-----|
| | 10.0 | | 2.8 | 4.0 | | 154 |
| MDCA6020-150M | 15.0 | | 2.1 | 3.3 | | |
| | 22.0 | | 1.5 | 2.5 | | |





4.6 0 1 78 923.61 6.44365 cm 0 0 m 0 0 ISQq 1Qq 1 0 0 1 192.8622 316.4365 cm 0 0 m 0 2.666 ISQq 1 0 0 1

Soldering Reflow:



Preheat condition: 150 ~200°C / 60~120 sec.

Allowed time above 217°C : 60~150 sec.

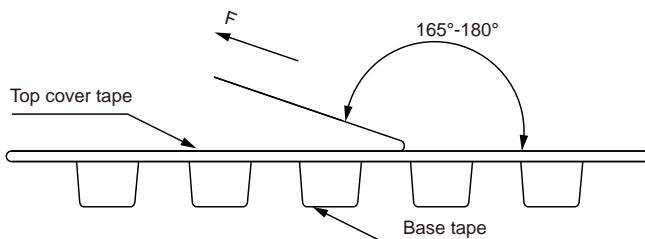
Max temperature: 260°C .

Allowed Reflow time: 2x max.

Packaging Information:

Tape Dimension :

Peel force of top cover tape:



The peel force of top cover tape shall be between 0.1 to 1.3 N

Product Marking:

| | |
|---------|-----------------------------|
| Marking | Printing Inductance+period) |
|---------|-----------------------------|

