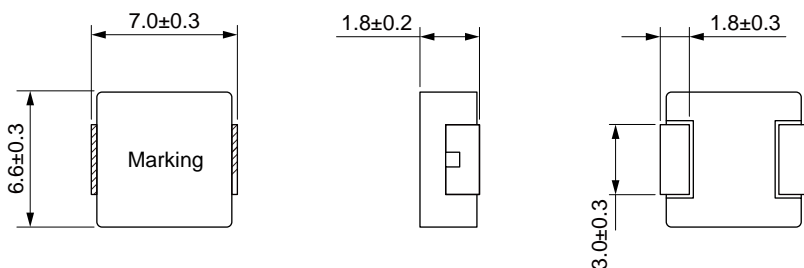


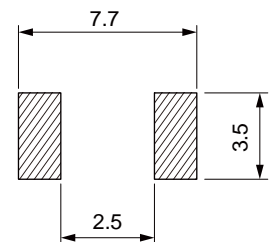
## SMD Power Inductor Size 6020

- 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.

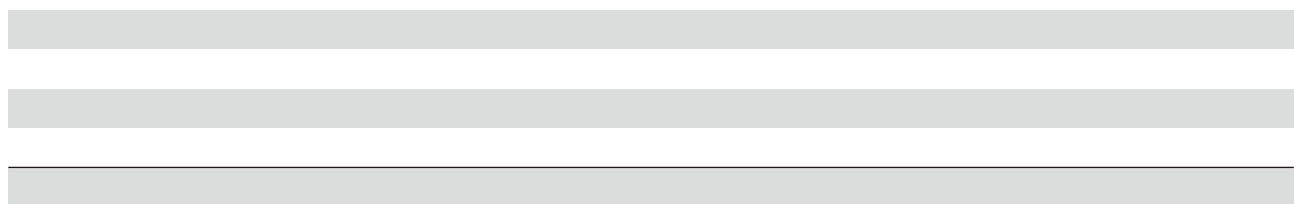
### Dimensions: [mm]



### Land Pattern: [mm]

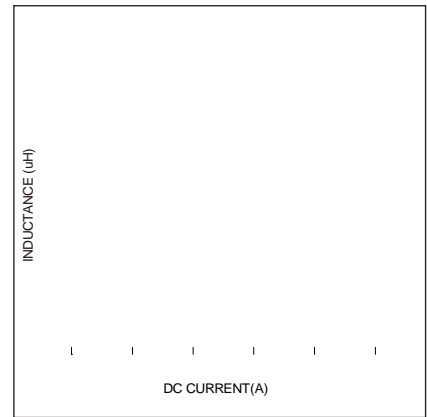


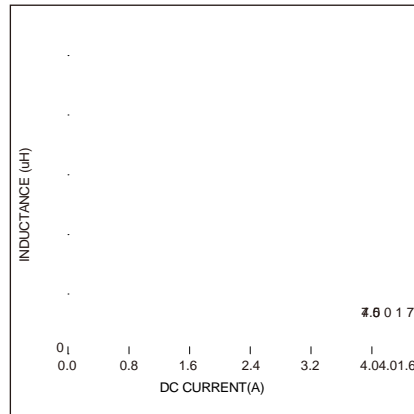
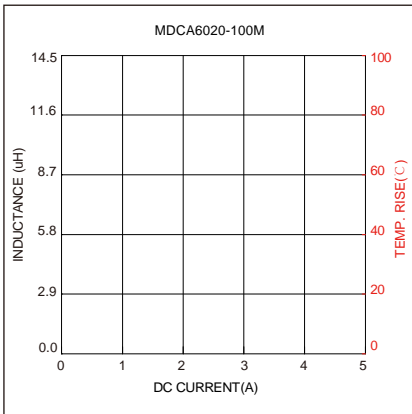
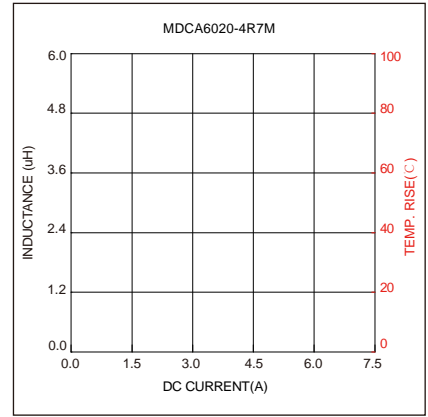
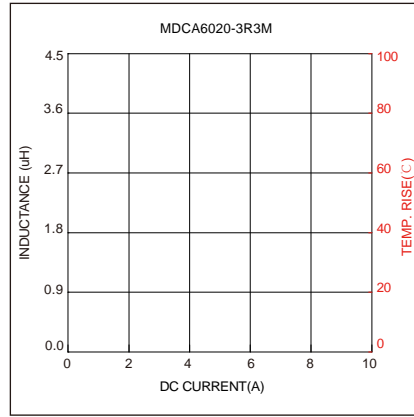
### Electrical Properties:



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

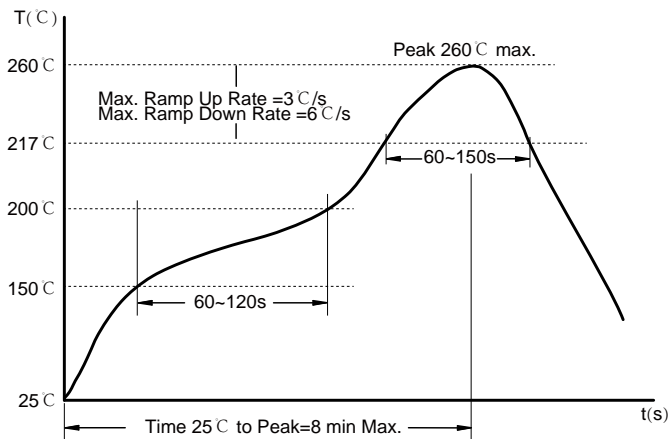
Part No	Inductance @ 100KHz/1V	Tolerance				
	10.0		2.8	4.0		154
MDCA6020-150M	15.0		2.1	3.3		
	22.0		1.5	2.5		





4.6 0 1 78 923.61 6.44365 cm0 0 m0 0 ISQq 1Qq 1 0 0 1 192.8622 316.4365 cm0 0 m0 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.

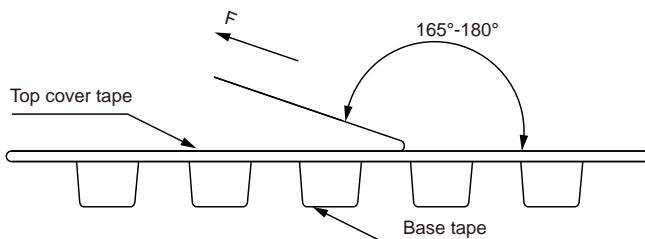
Max temperature: 260°C .

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)
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