

**MDCA Series**  
**SMD Power Inductor**  
**Size 1870**

**FEATURES**

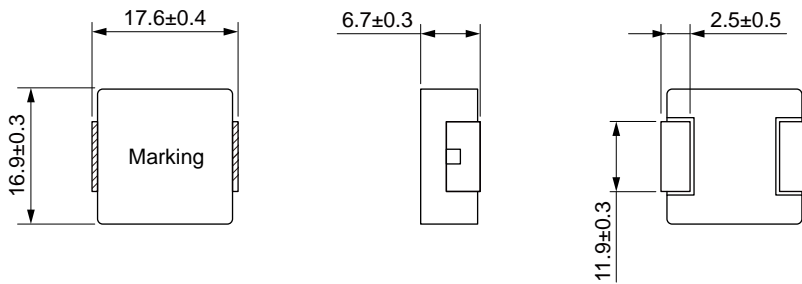
- Shielded construction.
- Capable of corresponding high frequency.
- Low loss realized with low DCR.
- High performance (Isat) realized by Carbonyl Powder.
- Ultra low buzz noise, due to composite construction.
- 100% Lead(Pb)-Free and RoHS compliant.
- AEC-Q200 qualified
- Operating temperature: -55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

**APPLICATION**

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

Dimensions: [mm]

Land Pattern: [mm]



Electrical Properties:

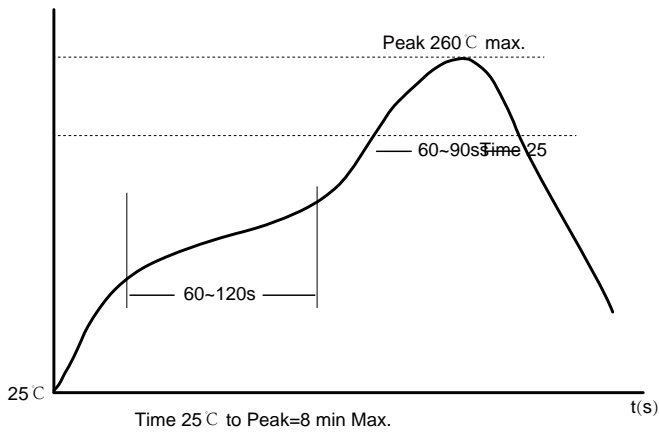
Tolerance

±20%	125	0
±20%	123	5
±20%	70	0
±20%	65	
±20%	62	40
±20%	54	50
±20%	50	0
±20%	55	0
±20%	39	40
±20%	31	0
±20%	29	
±20%	27	
±20%	23	
±20%	20	0



Typical Electrical Characteristics:

## Soldering Reflow:



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

Allowed time above 217°C : 60~90 sec.

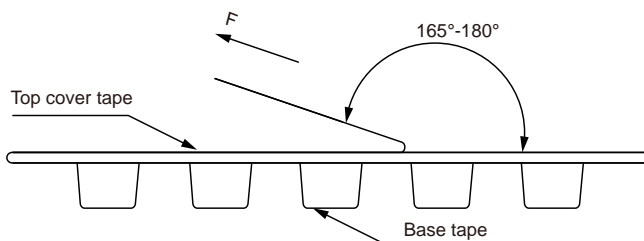
Max temperature: 260°C .

Allowed Reflow time: 2x max.

## Packaging Information:

### Tape Dimension :

### Peel force of top cover tape:

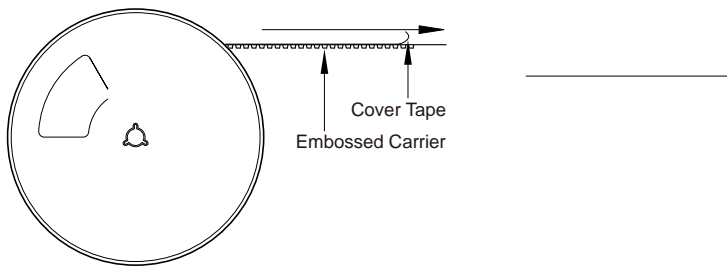


The peel force of top cover tape shall be between 0.1 to 1.3 N

### Product Marking:

Marking	KH+Printing (Inductance+period)
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Reel Dimension: [mm]



Packaging Quantity: