

MDCA Series
SMD Power Inductor
Size 1870

FEATURES

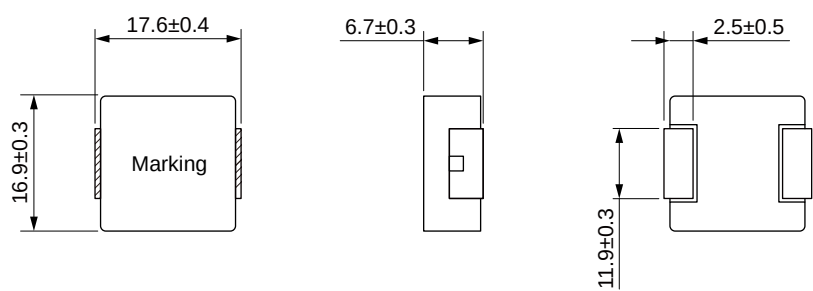
- Shielded construction.
- Capable of corresponding high frequency.
- Low loss realized with low DCR.
- High performance (Isat) realized by Carbonyl Powder.
- Ultra low buzz noise, due to composite construction.
- 100% Lead(Pb)-Free and RoHS compliant.
- AEC-Q200 qualified
- Operating temperature: -55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



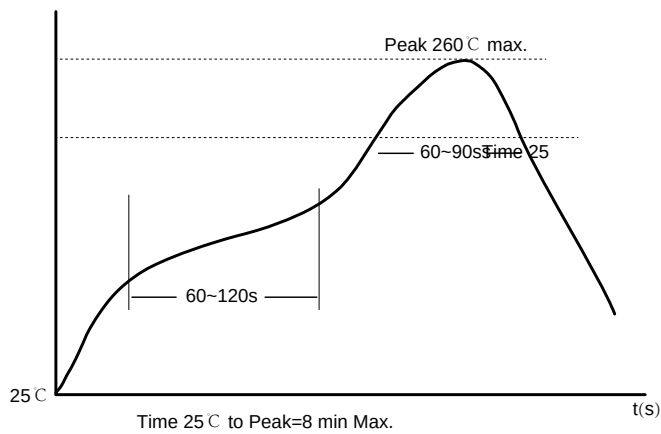
Electrical Properties:

Tolerance

±20%	125 Y0
±20%	123 N5
±20%	70 _ 0
±20%	65 L
±20%	62 40
±20%	64 50
±20%	60 Y0
±20%	65 Y0
±20%	39 40
±20%	31 φ _ 0
±20%	29
±20%	27
±20%	23
±20%	20 0

Typical Electrical Characteristics:

Soldering Reflow:



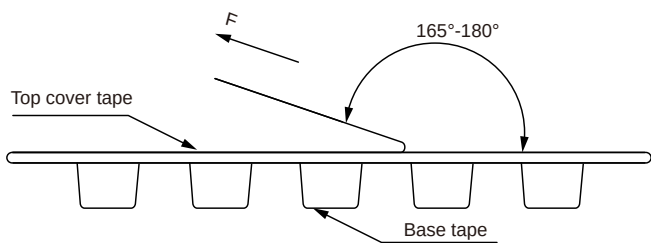
Preheat condition: 150 ~200 °C / 60~120 sec.
Allowed time above 217 °C : 60~90 sec.
Max temperature: 260 °C .

Allowed Reflow time: 2x max.

Packaging Information:

Tape Dimension :

Peel force of top cover tape:

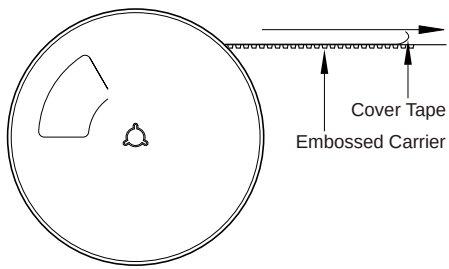


The peel force of top cover tape shall be between 0.1 to 1.3 N

Product Marking:

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



Packaging Quantity: