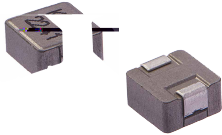


MDA Series

SMD Low Profile High Current Molded Inductor

Size 5030



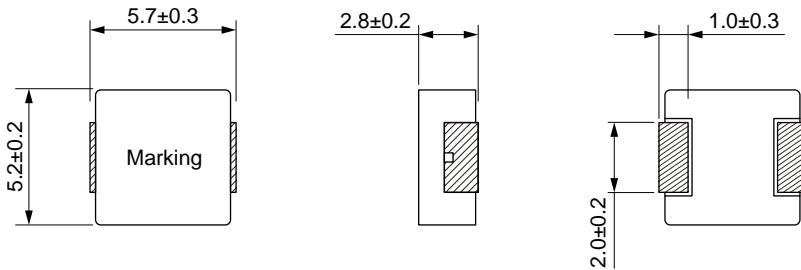
FEATURES

- Shielded construction
-
-
- Ultra low buzz noise, due to composite construction.
-
- AEC-Q200 qualified
- Operating temperature: -55 to +155 °C (including self-temperature rise)
- Quantity: 2000PCS

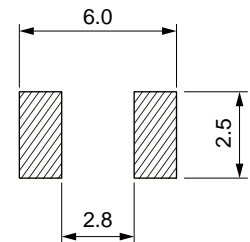
APPLICATION

- Headlamps, tail lamps and interior lighting
-
- Doors, window lift and seat control
-
-
- In-Vehicle Infotainment and navigation

Dimensions: [mm]



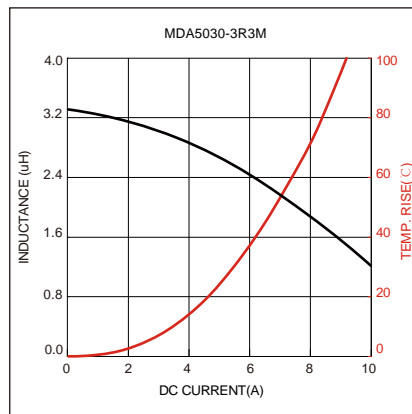
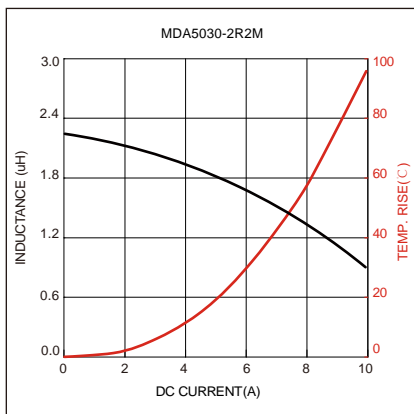
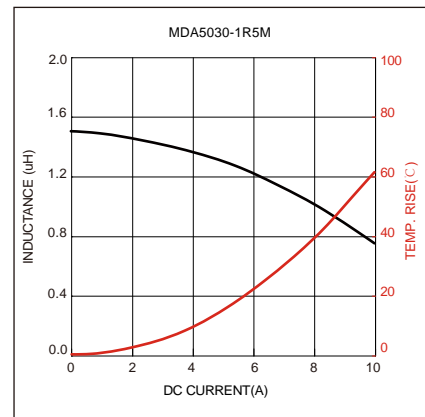
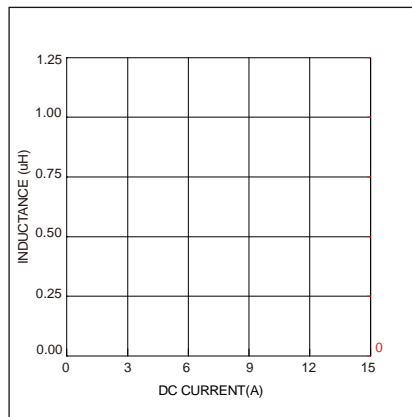
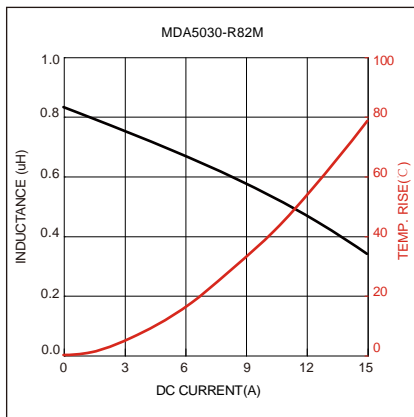
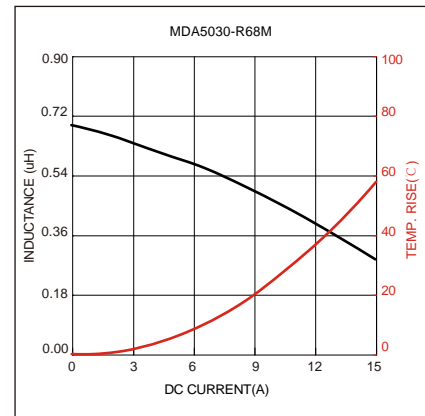
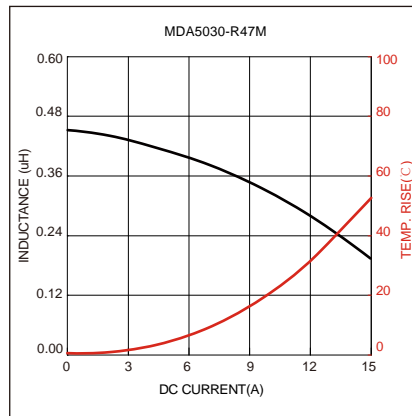
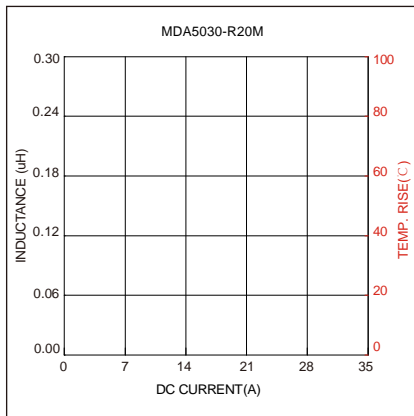
Land Pattern: [mm]



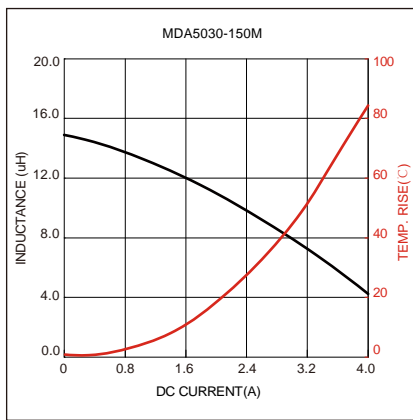
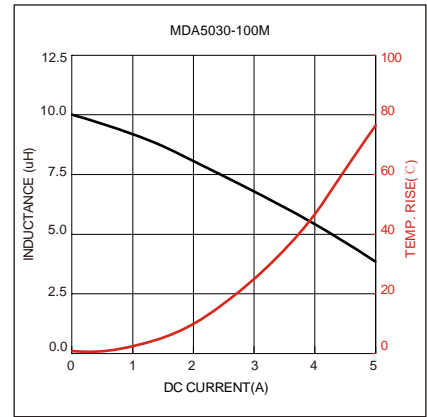
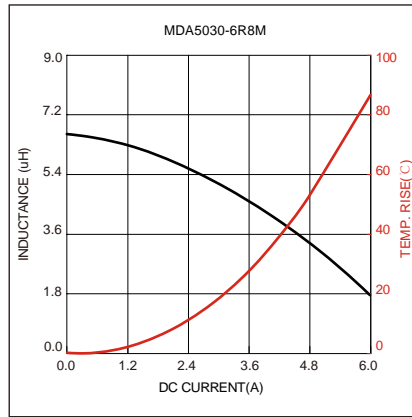
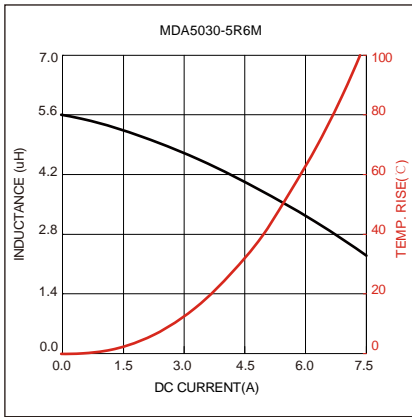
Electrical Properties:

Part No	Inductance @ 100KHz/1V (μH)	Tolerance	Temperature Rise Current Typ. (A)	Temperature Rise Current Max. (A)	Saturation Current Typ. (A)	Saturation Current Max. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)

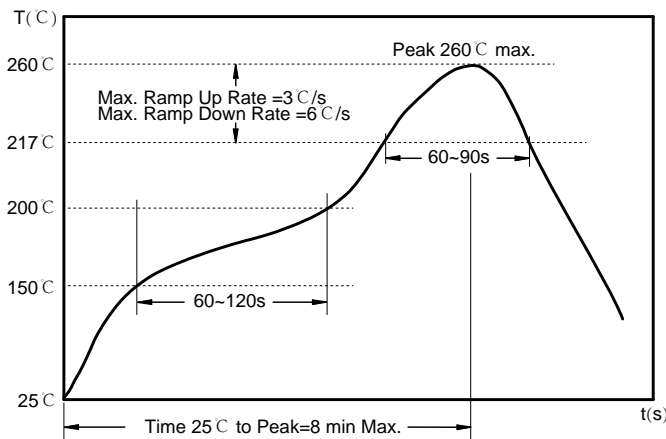
Typical Electrical Characteristics:



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 .

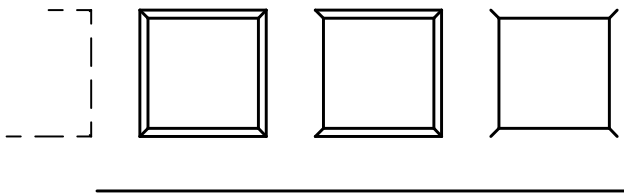
Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

E

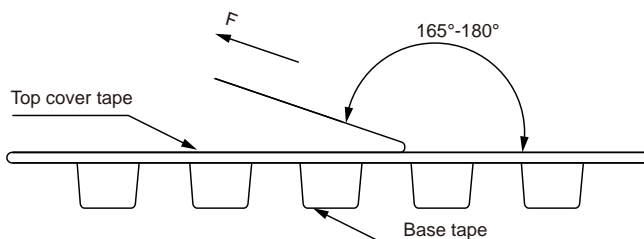
Packaging Information:

Tape Dimension :



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)P
MDA5030	5.5± 0.1	5.9± 0.1	1.5± 0.1	4.0± 0.1	8.0± 0.1	12.0± 0.3	3.3± 0.1	1.75± 0.1	0.35± 0.05

Peel force of top cover tape:

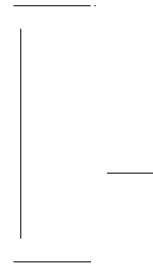
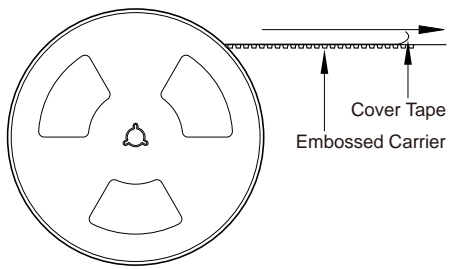


The peel force of top cover tape shall be between 0.1 to 1.3 N

Product Marking:

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



Packaging Quantity: