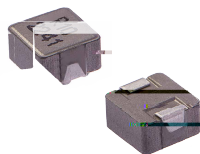
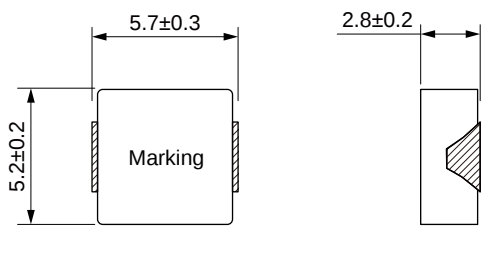


SMD Low Profile High Current Molded Inductor Size 5030

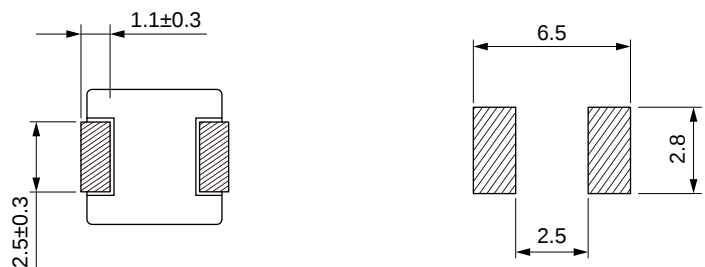


- Shielded construction
 -
 -
 - Ultra low buzz noise, due to composite construction.
 -
 - AEC-Q200 qualified
 - Operating temperature: -40 to +125 °C (including self-temperature rise)
 - Quantity: 2000PCS
-
- Headlamps, tail lamps and interior lighting
 -
 - Doors, window lift and seat control
 -
 -
 - In-Vehicle Infotainment and navigation

Dimensions: [mm]



Land Pattern: [mm]

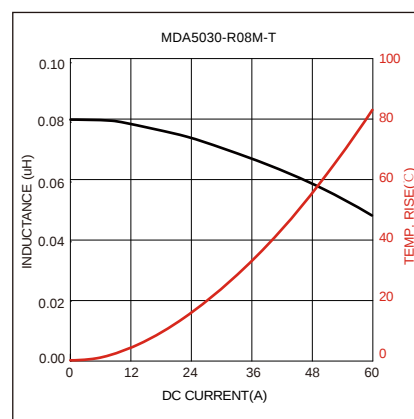
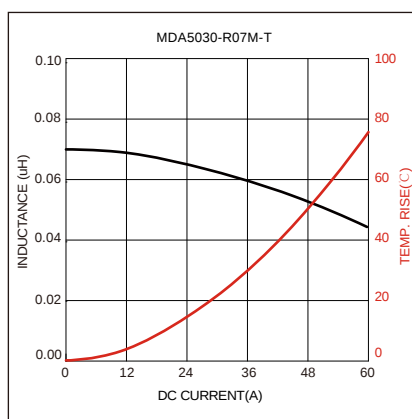
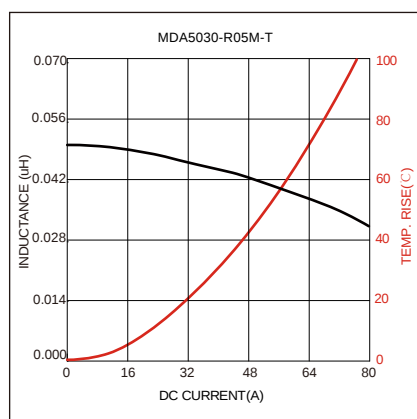


Electrical Properties:

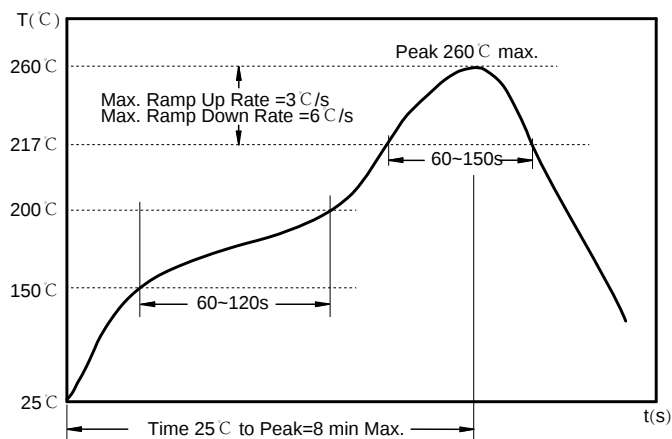
Part No	Inductance @ 100KHz/1V (μH)	Tolerance	Temperature Rise Current Typ. (A)	Temperature Rise Current Max. (A)	Saturation Current Typ. (A)	Saturation Current Max. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)

Saturation Current will cause L to drop approximately 30%
 Temperature Rise Current: The actual value of DC current when the temperature rise is ΔT=40°C

Typical Electrical Characteristics:



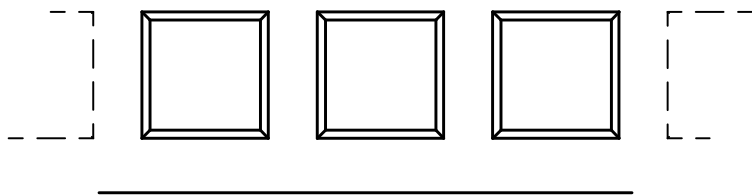
Soldering Reflow:



Preheat condition: 150 ~200°C / 60~120 sec.
Allowed time above 217°C : 60~150 sec.
Max temperature: 260°C .
Max time at max temperature: 10 sec.
Allowed Reflow time: 2x max.

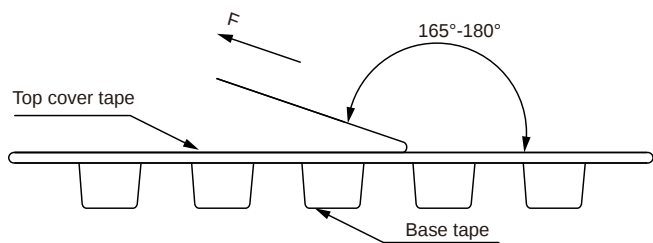
Packaging Information:

Tape Dimension :



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDA5030-T	5.5 ± 0.1	6.2 ± 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	Printing Inductance+period)
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Reel Dimension: [mm]

1500000

Packaging Quantity: