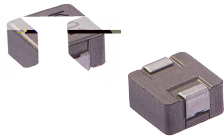




# MDA Series

## SMD Low Profile High Current Molded Inductor

### Size 5030



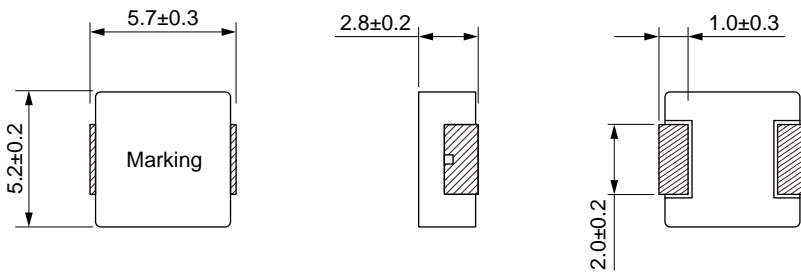
#### FEATURES

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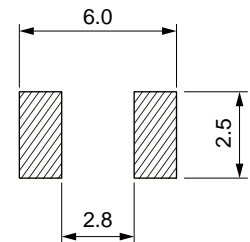
#### APPLICATION

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Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

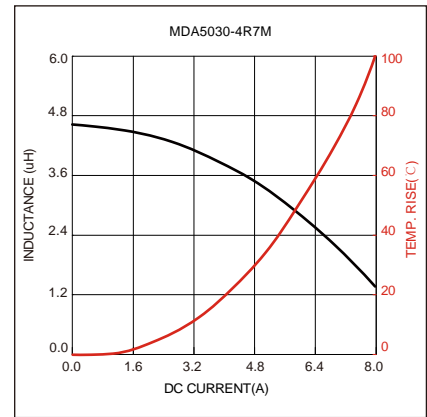
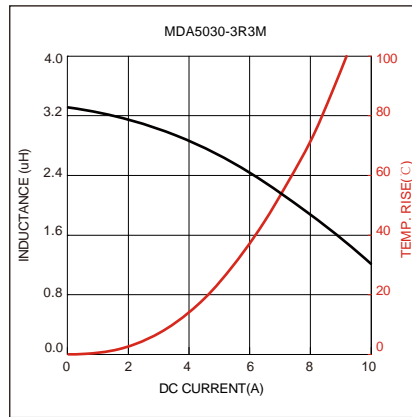
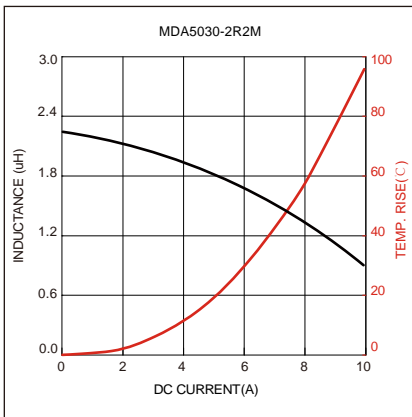
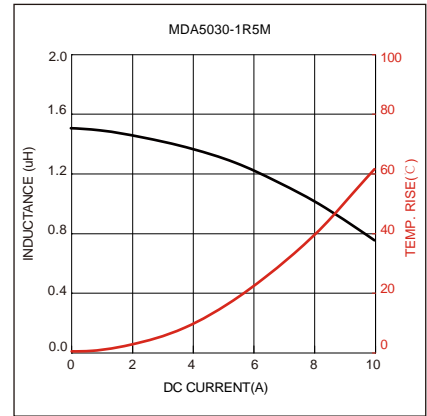
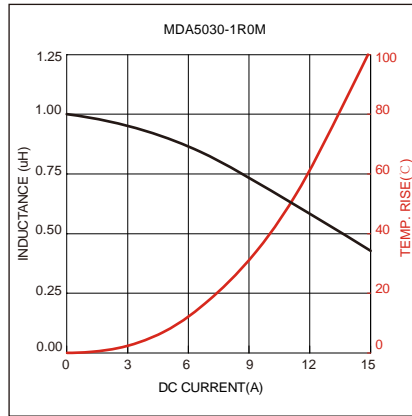
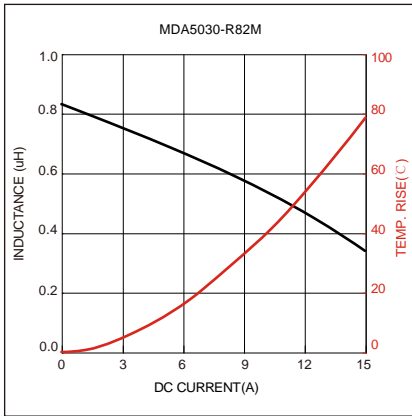
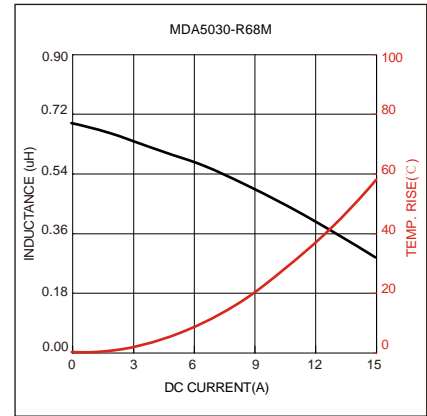
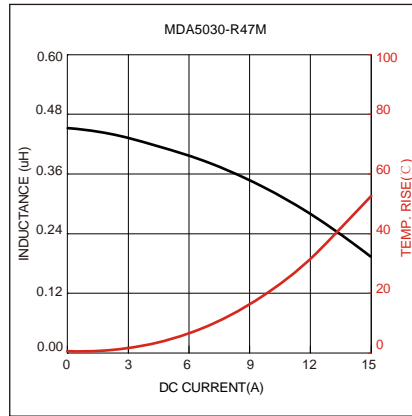
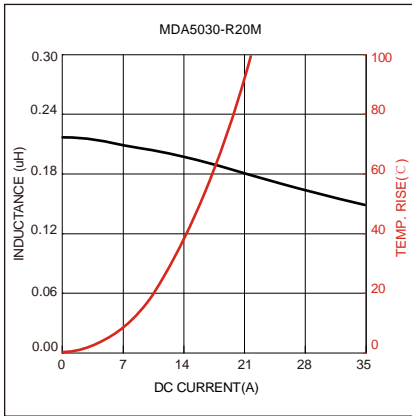
	( $\mu\text{H}$ )				Saturation	Saturation	( $\text{m}\Omega$ )	( $\text{m}\Omega$ )

					Saturation	Saturation		
	( $\mu\text{H}$ )						( $\text{m}\Omega$ )	( $\text{m}\Omega$ )

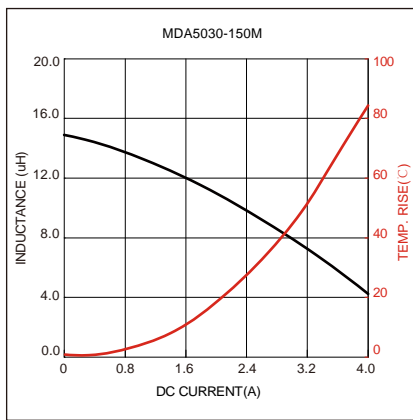
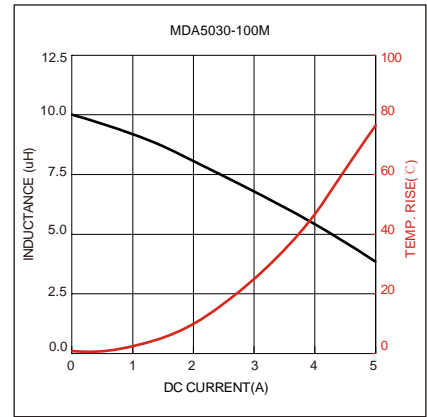
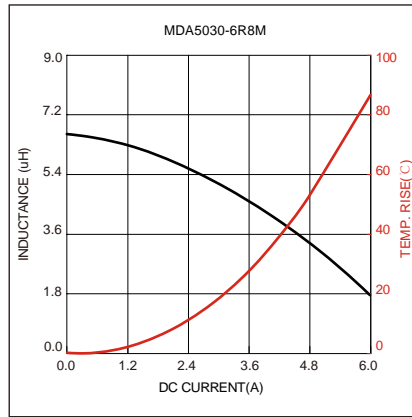
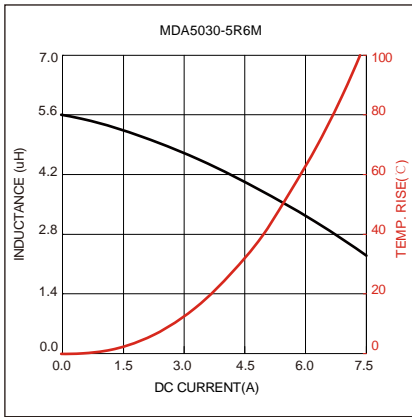
Saturation Current will cause L to drop approximately 30%

Temperature Rise Current: The actual value of DC current when the temperature rise is  $\Delta T=40^{\circ}\text{C}$

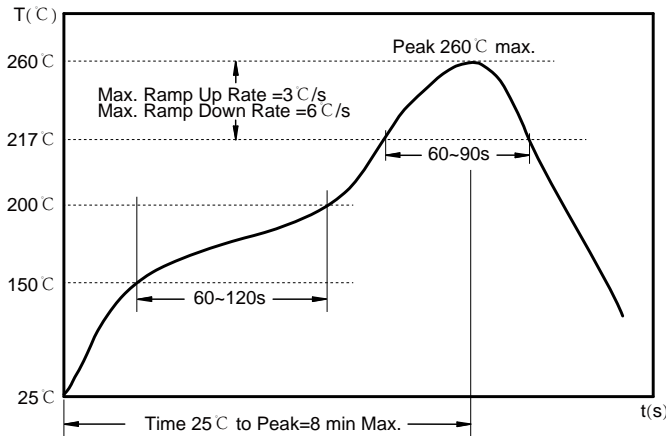
### Typical Electrical Characteristics:



## Typical Electrical Characteristics:



## Soldering Reflow:



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

Allowed time above 217°C : 60~90 sec.

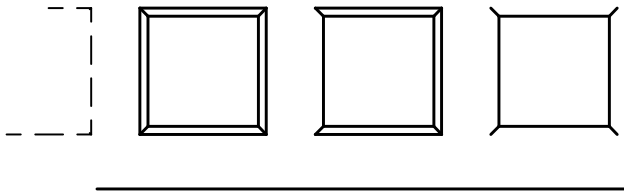
Max temperature: 260°C .

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

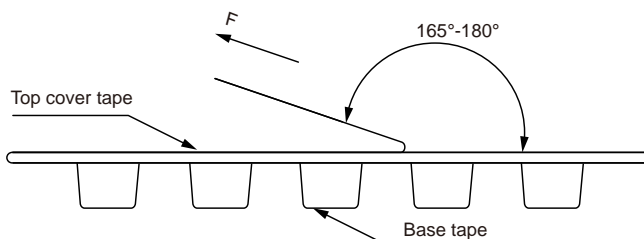
## Packaging Information:

### Tape Dimension :



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
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:

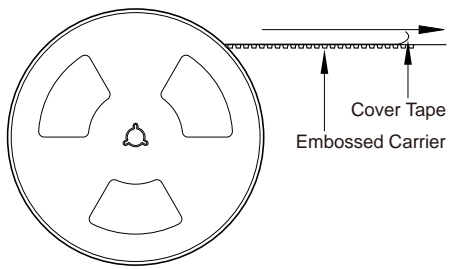


The peel force of top cover tape shall be between 0.1 to 1.3 N

### Product Marking:

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



Packaging Quantity: