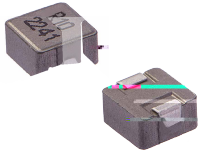


# MDA Series

## SMD Low Profile High Current Molded Inductor

### Size 5030



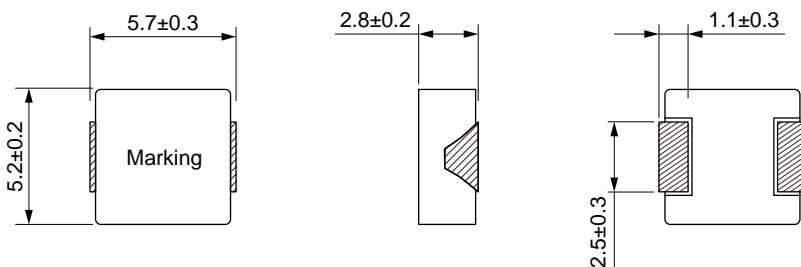
#### FEATURES

- 
- 
- 
- 
- 
- 
- 
- 

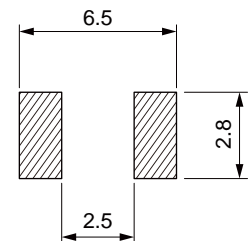
#### APPLICATION

- 
- 
- 
- 
- 
- 

Dimensions: [mm]



Land Pattern: [mm]



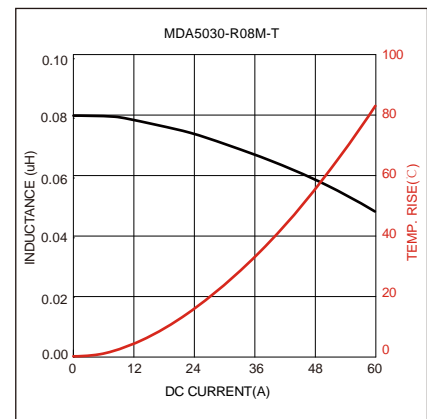
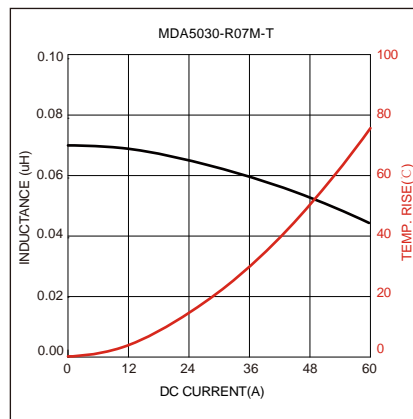
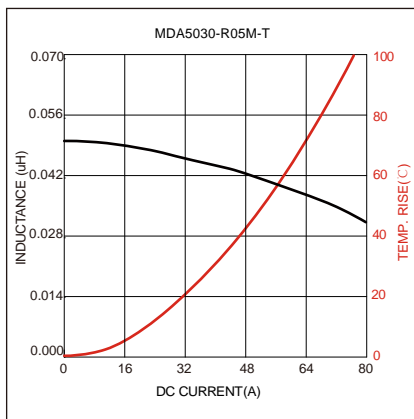
#### Electrical Properties:

Part No	Inductance @ 100KHz/1V ( $\mu$ H)	Tolerance	Temperature Rise Current Typ. (A)	Temperature Rise Current Max. (A)	Saturation Current Typ. (A)	Saturation Current Max. (A)	DC Resistance Typ. (m $\Omega$ )	DC Resistance Max. (m $\Omega$ )

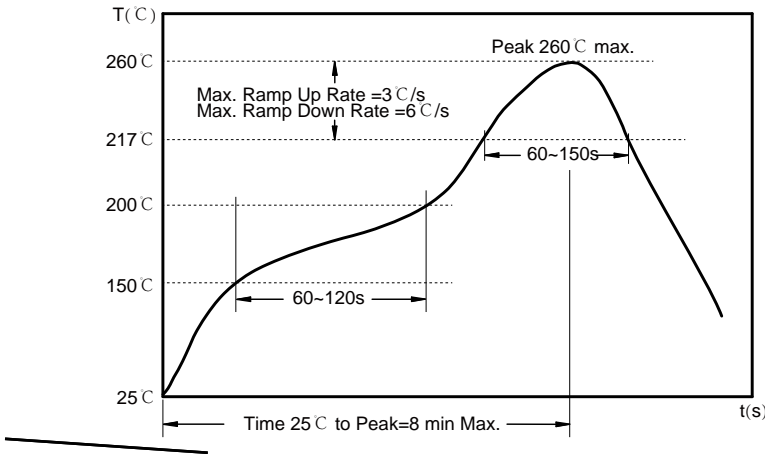
Saturation Current will cause L to drop approximately 30%

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

## Typical Electrical Characteristics:



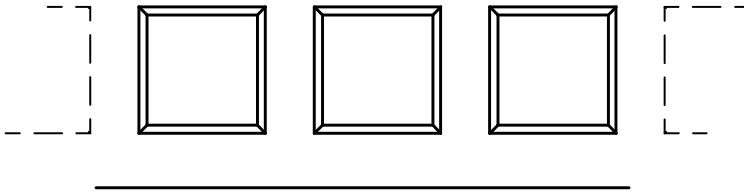
## Soldering Reflow:



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.

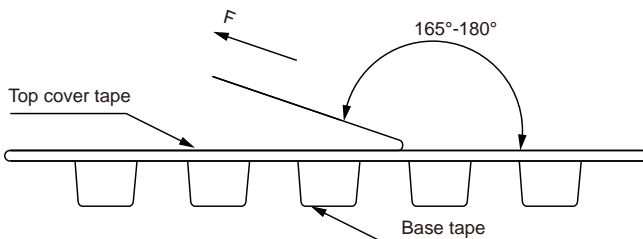
## Packaging Information:

### 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)
---------	-----------------------------

Reel Dimension: [mm]



Packaging Quantity: