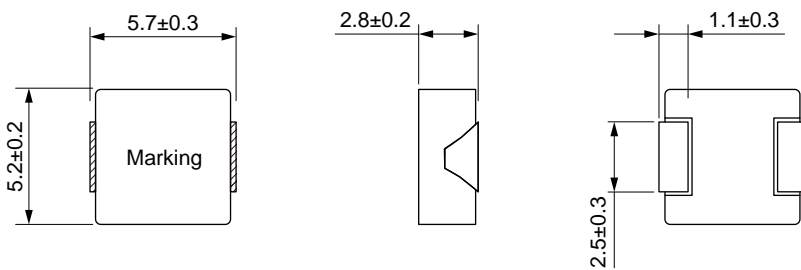


**MDA Series**  
**SMD Low Profile High Current Molded Inductor**  
**Size 5030**

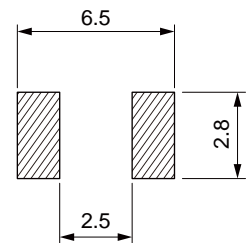
**FEATURES**

- 
- Capable of corresponding high frequency .
- Low loss realized with low DCR.
- High performance (Isat) realized by metal dust core.
- 
- 
- 
- 
- 

Dimensions: [mm]



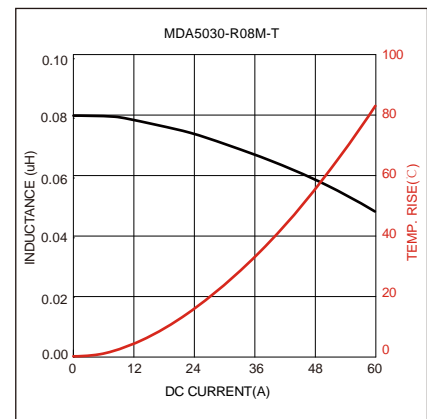
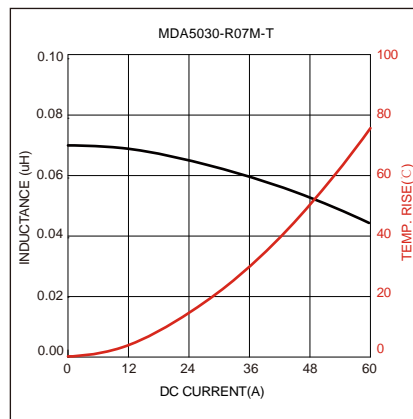
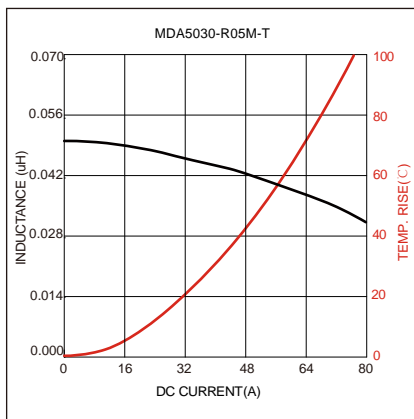
Land Pattern: [mm]



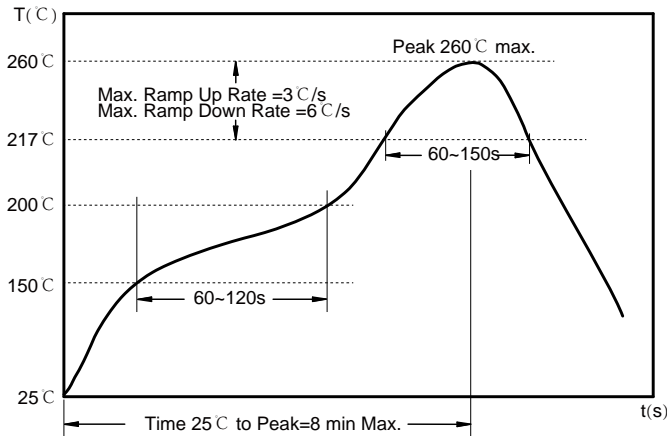
**Electrical Properties:**

Part No	Inductance @ 100KHz/1V	Tolerance	Temperature Rise Current Typ. (A)	Current Typ. (A)	DC Resistance Typ.	DC Resistance Max.
MDA5030-R05M-T	0.05	±20%	46	68	0.57	0.63
MDA5030-R07M-T	0.07	±20%	42	52	0.64	0.71
MDA5030-R08M-T	0.08	±20%	40	50	0.74	0.85

## 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.

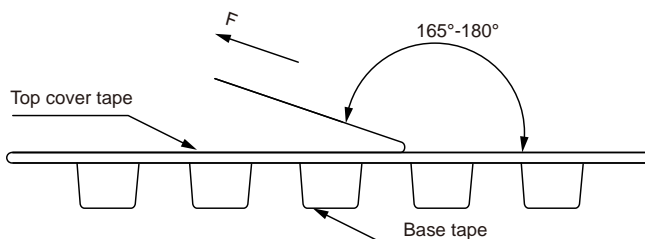
Allowed Reflow time: 2x max.

## 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: