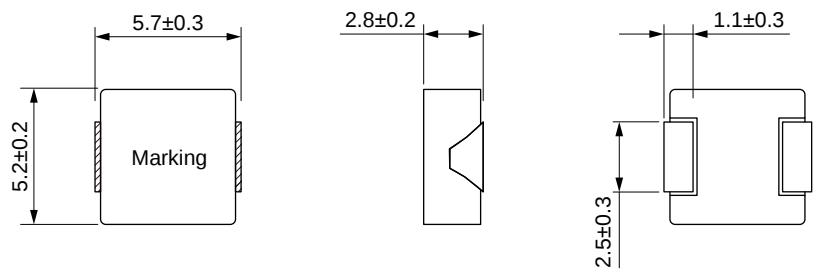


MDA Series  
SMD Low Profile High Current Molded Inductor  
Size 5030

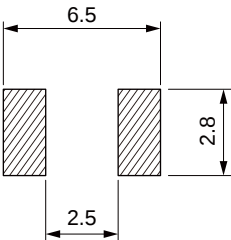
FEATURES

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

Dimensions: [mm]



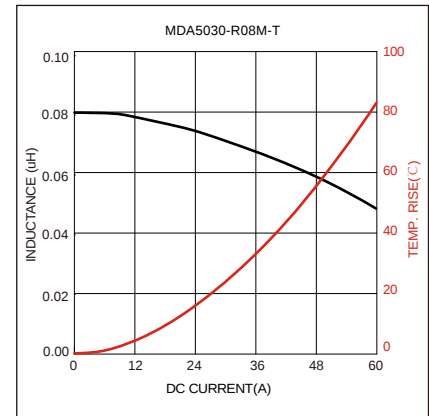
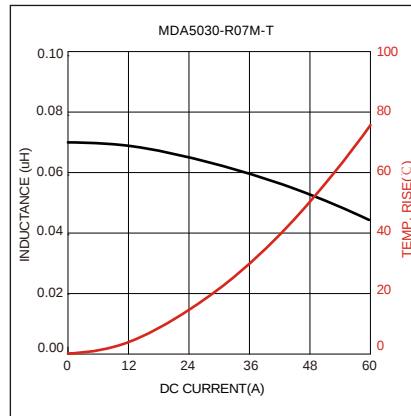
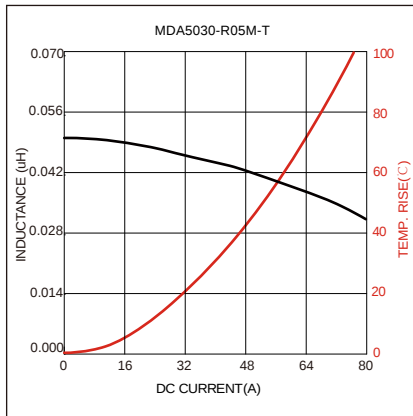
Land Pattern: [mm]



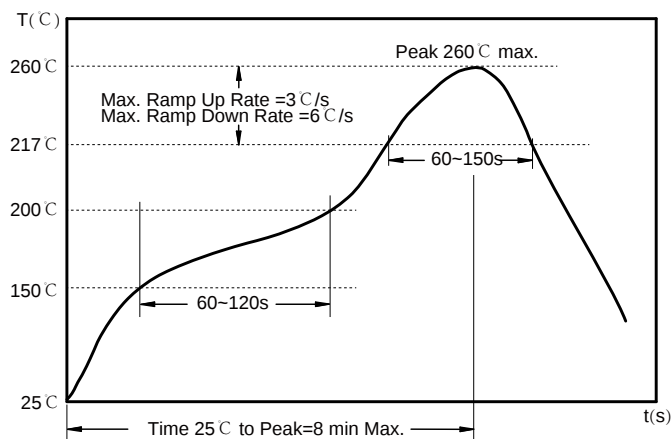
Electrical Properties:

| Part No        | Inductance<br>@ 100KHz/1V | Tolerance | Temperature<br>Rise Current<br>Typ.<br>(A) | Current<br>Typ.<br>(A) | DC<br>Resistance<br>Typ. | DC<br>Resistance<br>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:



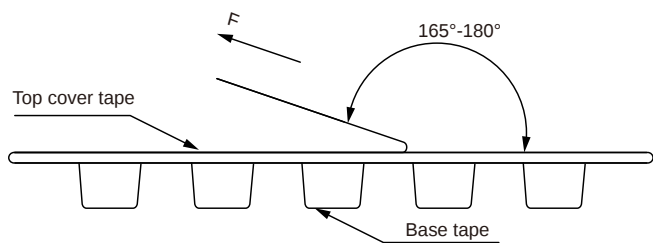
Preheat condition: 150 ~200℃ / 60~120 sec.  
Allowed time above 217℃ : 60~150 sec.  
Max temperature: 260℃ .  
Max time at max temperature: 10 sec.  
Allowed Reflow time: 2x max.

Packaging Information:

Tape Dimension :

| Series    | A0<br>(mm) | B0<br>(mm) | D<br>(mm) | P0<br>(mm) | P1<br>(mm) | W<br>(mm)  | K0<br>(mm) | E<br>(mm)  | T<br>(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: