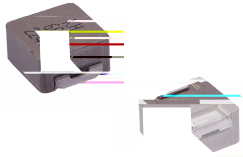


MDA HT Series

SMD Low Profile High Current Molded Inductor

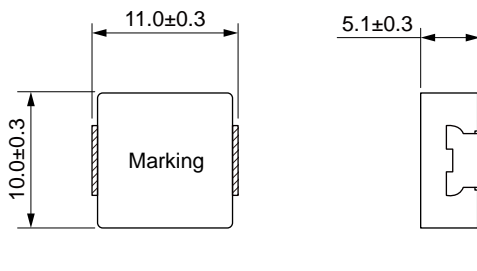
Size 1054



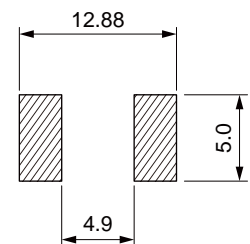
APPLICATION

- Headlamps, tail lamps and interior lighting
- HVAC
- Doors, window lift and seat control
- Audio subsystem
- Digital instrument cluster
- In-Vehicle Infotainment and navigation

Dimensions: [mm]



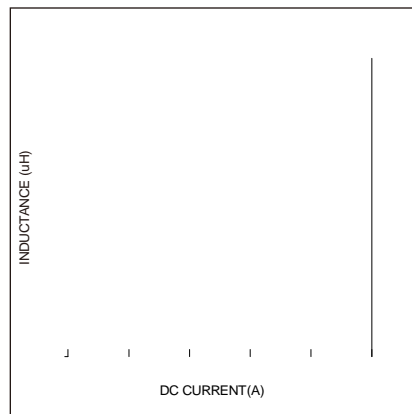
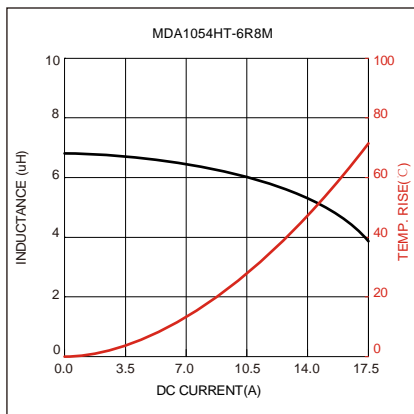
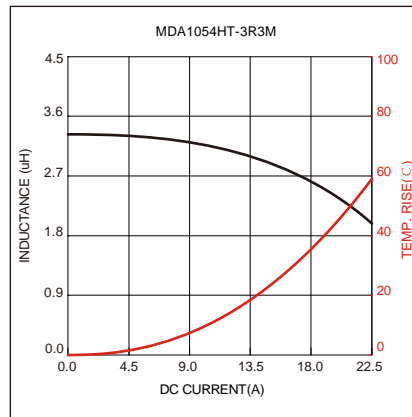
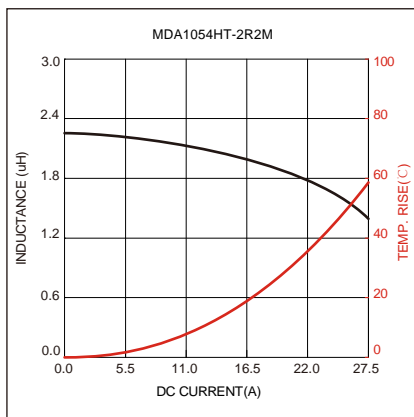
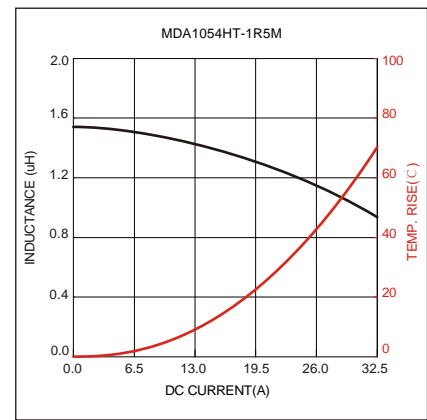
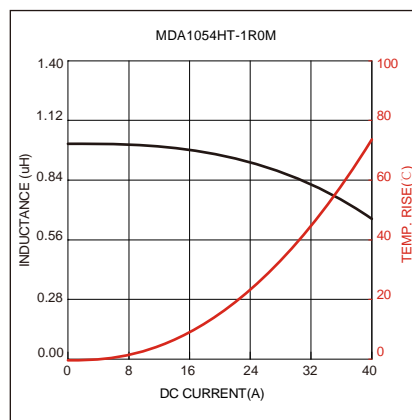
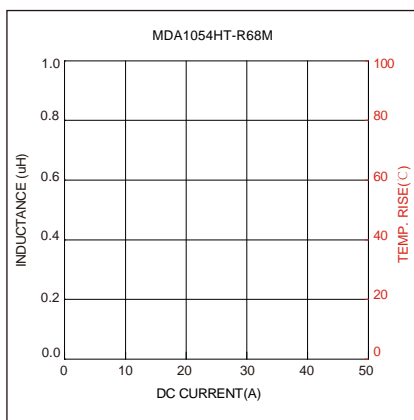
Land Pattern: [mm]

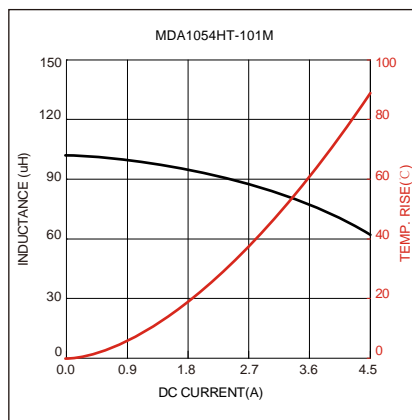
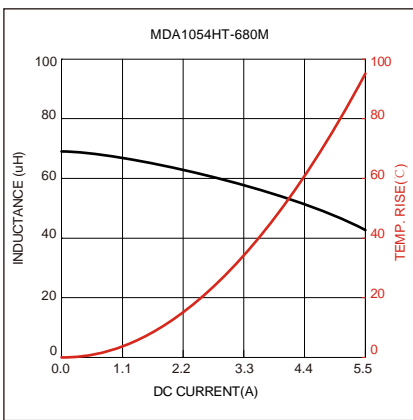
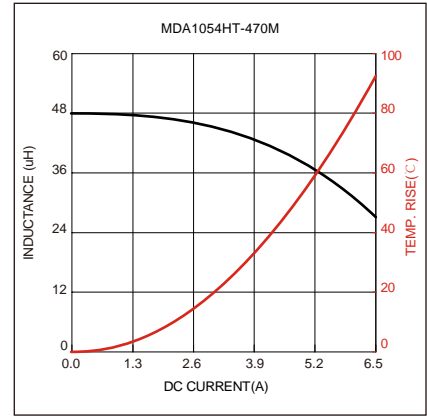
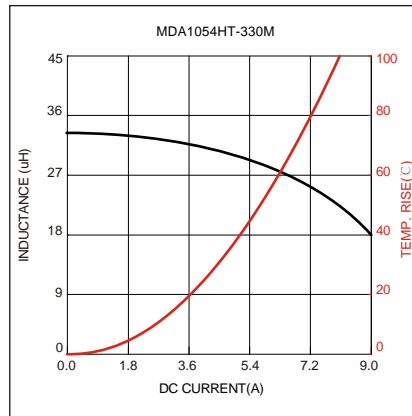
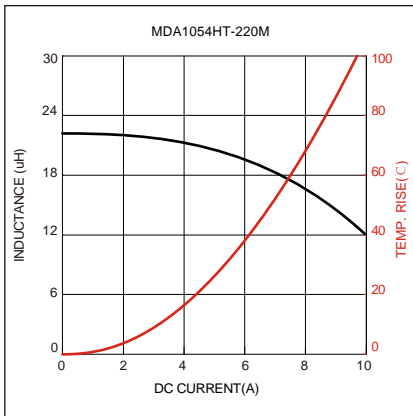


Electrical Properties:

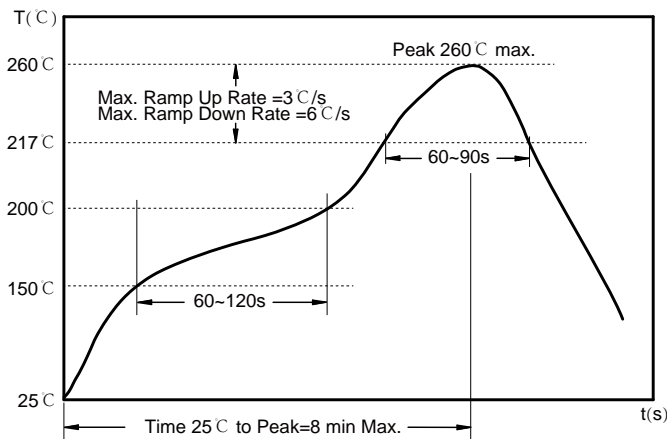
| | | ±20% | 32.0 | 28.8 | 46.0 | 39.4 | 1.80 | 2.22 |
|--|--|------|------|------|------|------|------|------|
| | | ±20% | 30.0 | 27.0 | 37.0 | 31.7 | 2.30 | 2.76 |
| | | ±20% | 25.0 | 22.3 | 27.0 | 23.0 | 3.60 | 4.20 |
| | | ±20% | 23.0 | 20.7 | 25.0 | 21.4 | 4.10 | 4.90 |
| | | ±20% | 18.7 | 16.8 | 19.0 | 16.3 | 6.20 | 7.40 |
| | | ±20% | 14.5 | 13.0 | 15.7 | 13.5 | 9.00 | 10.0 |
| | | ±20% | 12.3 | 10.8 | 13.3 | 11.4 | 12.4 | 14.0 |
| | | ±20% | 9.00 | 7.80 | 12.8 | 10.9 | 22.0 | 24.2 |
| | | ±20% | 7.60 | 6.80 | 9.20 | 7.90 | 27.3 | 31.3 |

Typical Electrical Characteristics:





Soldering Reflow:



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

Allowed time above 217°C : 60~90 sec.

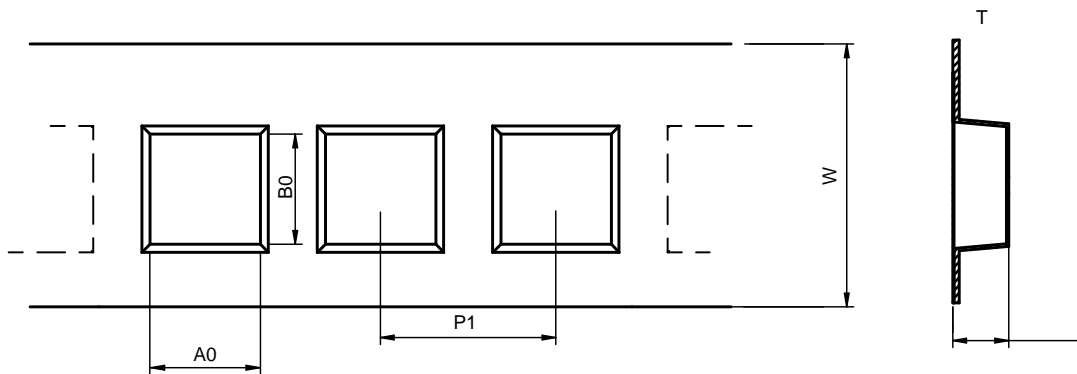
Max temperature: 260°C .

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

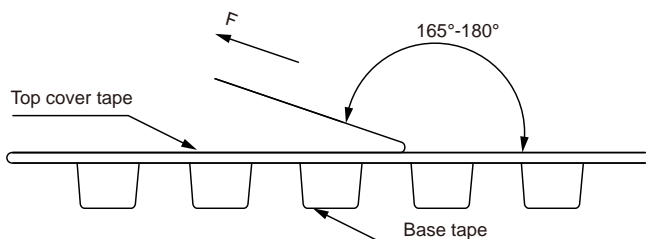
Packaging Information:

Tape Dimension :



| Series | A0 (mm) | B0 (mm) | D (mm) | P0 (mm) | P1 (mm) | W (mm) | K0 (mm) | E (mm) | T (mm) |
|-----------|----------|----------|---------|---------|---------|--------|---------|----------|-----------|
| MDA1054HT | 10.4±0.1 | 11.6±0.1 | 1.5±0.1 | 4.0±0.1 | 16±0.1 | 24±0.3 | 5.7±0.1 | 1.75±0.1 | 0.40±0.05 |

Peel force of top cover tape:

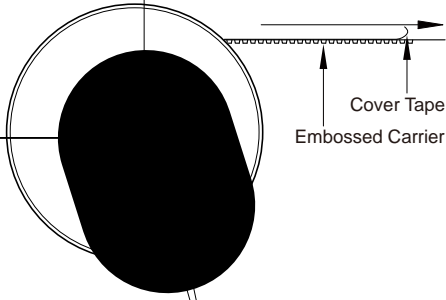


The peel force of top cover tape shall be between 0.1 to 1.3 N

Product Marking:

| Marking | KH+Printing (Inductance+period) |
|---------|---------------------------------|
|---------|---------------------------------|

Reel Dimension: [mm]



Cover Tape
Embossed Carrier

Packaging Quantity: