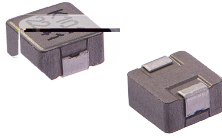


MDA HT Series

SMD Low Profile High Current Molded Inductor

Size 5030



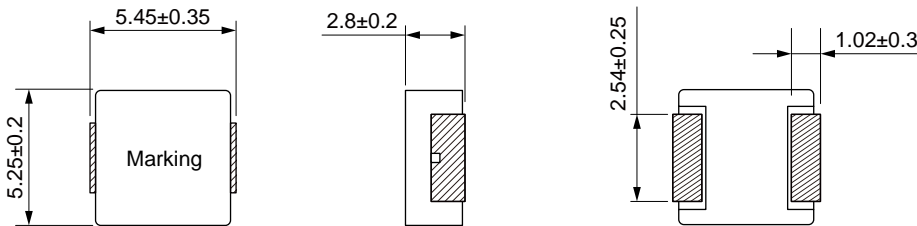
FEATURES

- High performance realized by metal dust core and hot pressing process.
- Ultra low buzz noise, due to composite construction.
- The wide pad design provides excellent anti-vibration capability.
- AEC-Q200 qualified.
- Operating temperature: -55 to +155 °C (including self-temperature rise)
- Quantity: 2000PCS

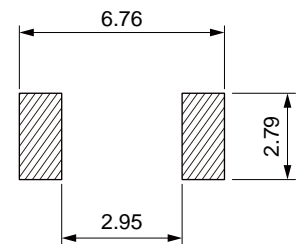
APPLICATION

- Thermal management products, such as water pumps and valves
- Headlamps, tail lamps and interior lighting
- HVAC

Dimensions: [mm]



Land Pattern: [mm]



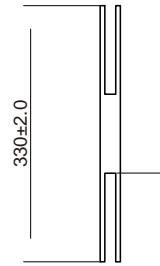
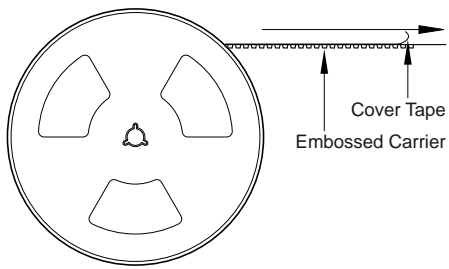
Electrical Properties:

| Part No | Inductance @ 100KHz/1V | Tolerance | Temperature Rise Current Typ. | Temperature Rise Current Max. | Current Typ. | Current Max. | DC Resistance Max. |
|----------------|------------------------|-----------|-------------------------------|-------------------------------|--------------|--------------|--------------------|
| MDA5030HT-R33M | 0.33 | ±20% | 16.7 | 15.0 | 11.2 | 9.6 | 5.00 |
| MDA5030HT-R68M | 0.68 | ±20% | 11.3 | 10.2 | 11.7 | 10.0 | 9.74 |
| MDA5030HT-1R0M | 1.00 | ±20% | 10.8 | 9.7 | 8.0 | 6.5 | 11.5 |
| MDA5030HT-1R5M | 1.50 | ±20% | 8.2 | 7.4 | 7.1 | 5.9 | 17.7 |
| MDA5030HT-2R2M | 2.20 | ±20% | 7.1 | 6.4 | 6.3 | 5.1 | 23.0 |
| MDA5030HT-3R3M | 3.30 | ±20% | 5.5 | 5.0 | 5.5 | 4.7 | 38.0 |
| MDA5030HT-4R7M | 4.70 | ±20% | 4.4 | 3.9 | 4.5 | 3.9 | 59.0 |
| MDA5030HT-6R8M | 6.80 | ±20% | 3.5 | 3.1 | 3.5 | 3.0 | 92.0 |
| MDA5030HT-100M | 10.0 | ±20% | 2.8 | 2.5 | 2.35 | 2.0 | 129.5 |

Saturation Current will cause L to drop approximately 20%.

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

Reel Dimension: [mm]



Packaging Quantity: