

## MDA Series

### SMD Low Profile High Current Molded Inductor

#### Size 2313

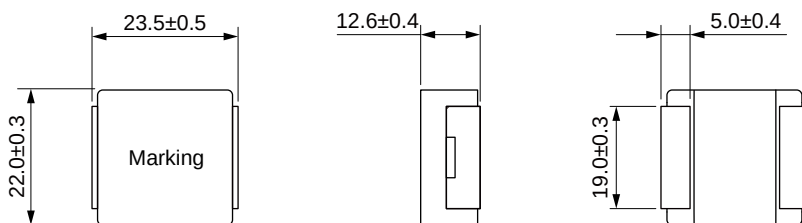
#### FEATURES

- Shielded construction
- Capable of corresponding high frequency .
- Low loss realized with low DCR.
- High performance (Isat) realized by metal dust core.
- Ultra low buzz noise, due to composite construction.
- 100% Lead(Pb)-Free and RoHS compliant.
- AEC-Q200 qualified
- Operating temperature: -55 to +155 °C (including self-temperature rise)
- Quantity: 80PCS

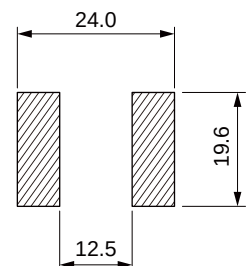
#### APPLICATION

- Headlamps, tail lamps and interior lighting
- HVAC
- Doors, window lift and seat control
- 
- 
- 

Dimensions: [mm]



Land Pattern: [mm]



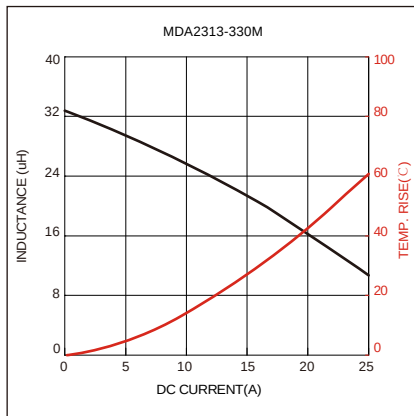
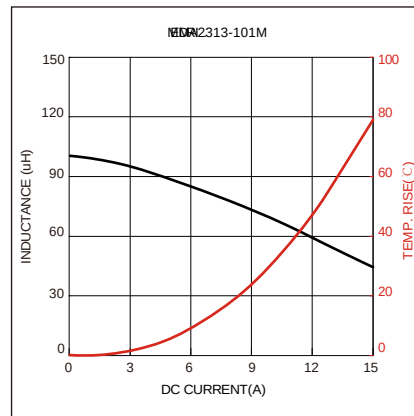
Electrical Properties:

|              | ( $\mu$ H) |            |      | Saturation | (m $\Omega$ ) | (m $\Omega$ ) |
|--------------|------------|------------|------|------------|---------------|---------------|
| MDA2313-1R0M | 1.00       | $\pm 20\%$ | 70.0 | 60.0       | 0.80          | 0.95          |
| MDA2313-1R5M | 1.50       | $\pm 20\%$ | 62.0 | 52.0       | 1.00          | 1.15          |
| MDA2313-2R2M | 2.20       | $\pm 20\%$ | 58.0 | 48.0       | 1.05          | 1.25          |
| MDA2313-3R3M | 3.30       | $\pm 20\%$ | 49.0 | 41.0       | 1.50          | 1.75          |
| MDA2313-4R7M | 4.70       | $\pm 20\%$ | 47.0 | 38.0       | 1.90          | 2.20          |
| MDA2313-6R8M | 6.80       | $\pm 20\%$ | 40.0 | 36.0       | 2.70          | 3.10          |
| MDA2313-100M | 10.0       | $\pm 20\%$ | 33.0 | 28.0       | 3.80          | 4.15          |
| MDA2313-150M | 15.0       | $\pm 20\%$ | 26.0 | 23.0       | 5.10          | 6.12          |
| MDA2313-220M | 22.0       | $\pm 20\%$ | 22.0 | 15.0       | 9.20          | 11.0          |
| MDA2313-330M | 33.0       | $\pm 20\%$ | 19.0 | 12.0       | 13.5          | 15.4          |
| MDA2313-470M | 47.0       | $\pm 20\%$ | 17.0 | 12.0       | 17.3          | 20.8          |

## Saturation

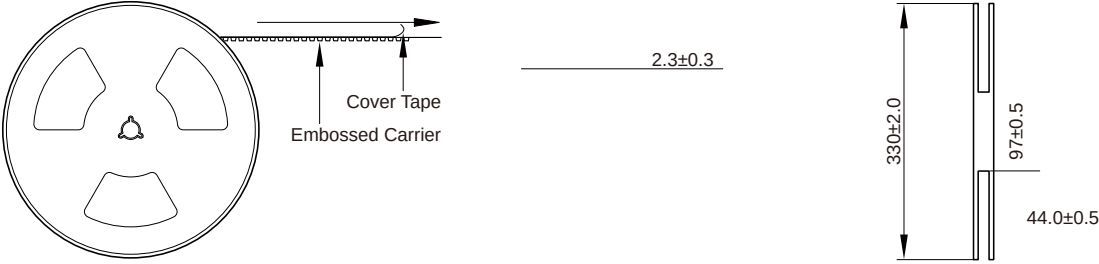
|      |      |      |
|------|------|------|
| ±20% | 12.0 | 26.2 |
| ±20% | 9.0  | 31.0 |
| ±20% | 9.0  | 36.0 |

Typical Electrical Characteristics:

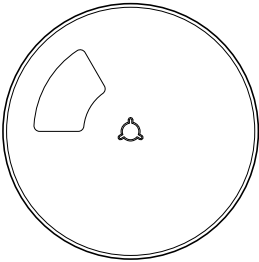




# Reel Dimension: [mm]



# Packaging Quantity:



|             |                            |                                 |
|-------------|----------------------------|---------------------------------|
| 80 Pcs/Reel | 1 Reel /Inner box( 80 Pcs) | 3 Inner box/Carton box(240 Pcs) |
|-------------|----------------------------|---------------------------------|

# Cautions and Warnings:

## Storage Conditions:

## Operation Instructions: