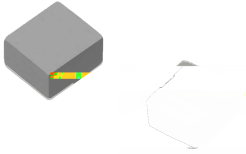




MDTA Series

SMD Low Profile High Current Molded Inductor

Size 160808



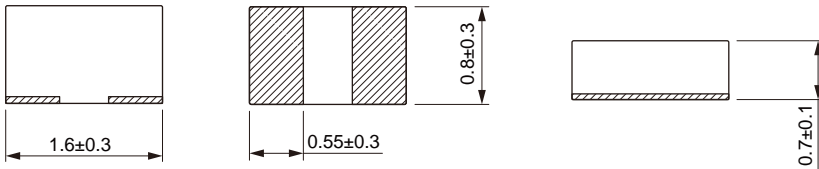
FEATURES

- High current, low DCR, high efficiency.
- Very low acoustic noise and very low leakage flux noise.
- AEC-Q200 qualified
- 100% Lead(Pb)-Free and RoHS compliant.
- Operating temperature: -55 to +155 °C (including self-temperature rise)
- Quantity: 3000PCS

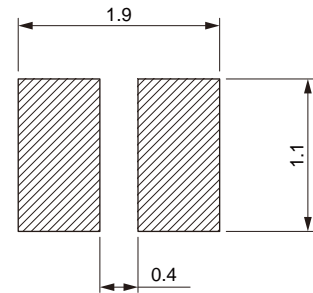
APPLICATION

- ADAS
- 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:

Part No	Inductance @ 100KHz/1V	Tolerance	Temperature Rise Current Typ. (A)	Temperature Rise Current Max. (A)	Current Typ. (A)	Current Max. (A)	DC Resistance Typ.	DC Resistance Max.
MDTA160808-R22M	0.22	±20%	3.4	3.0	5.5	5.0	33	40
MDTA160808-R47M	0.47	±20%	2.8	2.5	4.7	4.2	80	100
MDTA160808-R56M	0.56	±20%	2.4	2.2	4.1	3.6	85	110
MDTA160808-R68M	0.68	±20%	2.2	2.0	3.3	3.0	115	138
MDTA160808-1R0M	1.00	±20%	2.1	1.8	3.0	2.6	180	200

Saturation Current will cause L to drop approximately 30%

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

Typical Electrical Characteristics:

