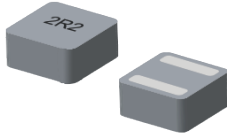


MDHA Series

Flat Wire Molded Inductor

Size 1010



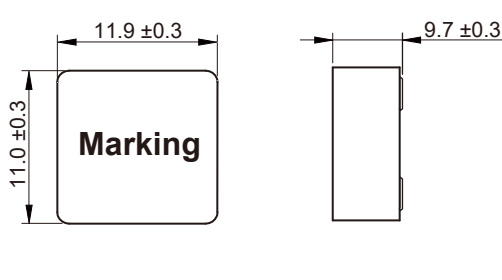
FEATURES

- Flat wire coil for low copper losses
- Composite core material allows high saturation currents
- Very low acoustic noise and very low leakage flux noise
- High current capability and handles high transient current spikes
- AEC-Q200 qualified
- Operating temperature: -55 to +155 °C (including self-temperature rise)
- Quantity: 300pcs

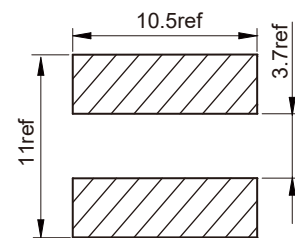
APPLICATION

- DC/DC converters for entertainment/navigation systems
- Noise suppression for motors: windshield wipers / power seats / power mirrors / heating and ventilation blowers / HID lighting
- LED drivers

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	L@100KHz /0.1V (μ H)	Tolerance	I _{SAT} Typ. (A)	I _R Typ. (A)	R _{DC} Max. (m Ω)
MDHA1010-1R0M	1.0	±20%	50.0	40.0	1.2
MDHA1010-2R2M	2.2	±20%	34.0	32.0	2.8
MDHA1010-3R3M	3.3	±20%	27.4	25.0	4.1
MDHA1010-4R7M	4.7	±20%	25.4	24.0	5.7
MDHA1010-5R6M	5.6	±20%	23.6	21.2	7.2
MDHA1010-6R8M	6.8	±20%	21.8	18.5	8.9
MDHA1010-8R2M	8.2	±20%	18.3	17.1	12.4
MDHA1010-100M	10.0	±20%	17.5	15.5	13.8
MDHA1010-150M	15.0	±20%	15.5	13.8	19.3

All test data referenced to 25 °C ambient.

I_R will cause the coil temperature rise approximately $\Delta t 40$ °C

I_{SAT} will cause L to drop approximately 30% .

Typical Electrical Characteristics:

