

MDHA Series

Flat Wire Molded Inductor

Size 7060



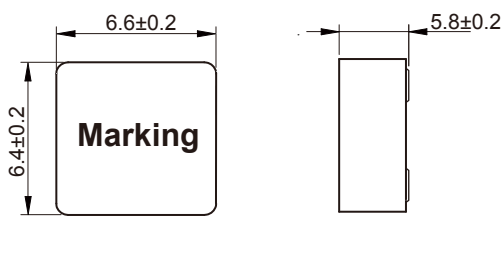
FEATURES

- 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 +150°(including self-temperature rise)
- Quantity: 800pcs

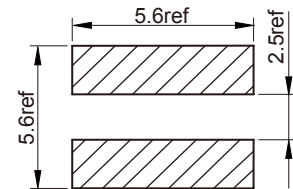
APPLICATION

- 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 (μH)	Tolerance	I _{SAT} Typ. (A)	I _{SAT} Max. (A)	I _R Typ. (A)	R _{DC} Typ. (mΩ)	R _{DC} Max. (mΩ)
MDHA7060-4R7M	4.7	±20%	10.5	9.50	11.0	13.1	14.4
MDHA7060-5R6M	5.6	±20%	10.0	9.00	10.0	14.3	15.8
MDHA7060-6R8M	6.8	±20%	9.20	8.70	9.00	18.9	20.8
MDHA7060-8R2M	8.2	±20%	8.50	8.00	8.00	22.5	24.8
MDHA7060-100M	10.0	±20%	7.60	6.80	7.00	26.6	29.3
MDHA7060-150M	15.0	±20%	5.80	5.20	6.00	39.0	43.0
MDHA7060-220M	22.0	±20%	5.60	5.00	5.00	55.0	60.5

All test data referenced to 25 °C ambient.

I_R will cause the coil temperature rise approximately Δt40 °C

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

Typical Electrical Characteristics:

