

MDHA Series

Flat Wire Molded Inductor

Size 8030



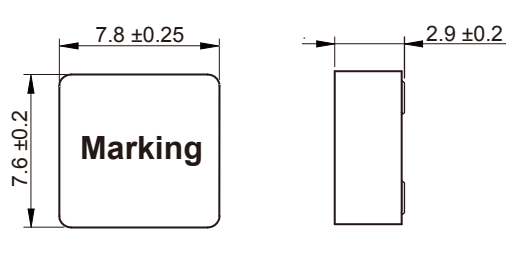
FEATURES

- 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: 1500pcs

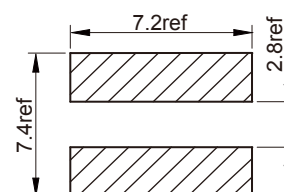
APPLICATION

- 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} Max. (mΩ)
MDHA8030-R60M	0.6	±20%	36.0	32.0	23.0	3.20
MDHA8030-1R0M	1.0	±20%	30.0	28.0	21.8	5.00
MDHA8030-1R5M	1.5	±20%	25.0	23.5	15.3	8.25
MDHA8030-2R2M	2.2	±20%	19.0	17.0	13.0	13.7
MDHA8030-3R3M	3.3	±20%	15.0	13.0	10.0	18.0
MDHA8030-4R7M	4.7	±20%	13.5	12.2	9.00	26.7
MDHA8030-5R6M	5.6	±20%	12.5	11.5	7.30	33.2
MDHA8030-6R8M	6.8	±20%	12.0	11.0	6.80	42.5
MDHA8030-8R2M	8.2	±20%	10.2	9.00	5.90	48.73

All test data referenced to 25 °C ambient.

I_R will cause the coil temperature rise approximately Δt25 °C

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

Typical Electrical Characteristics:

