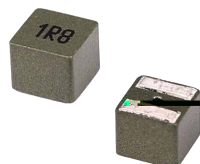


MDTA Series

Flat Wire Molded Inductor

Size 7070



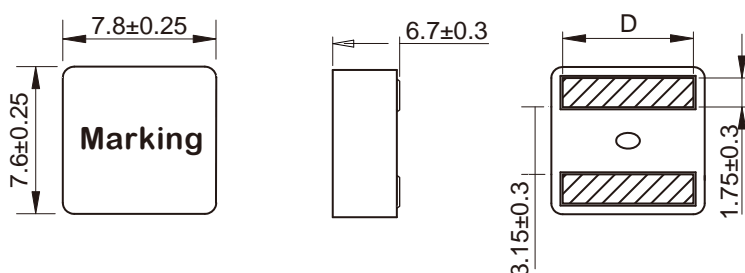
FEATURES

- 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: 700pcs

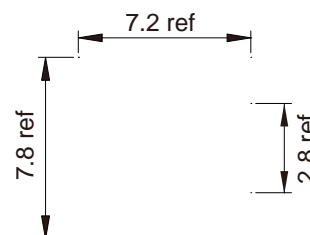
APPLICATION

- 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]



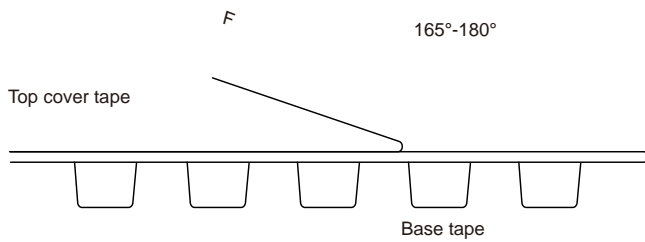
Electrical Properties:

	(μ H)	$\pm 20\%$	(A)	(A)		(m)	(mm)
MDTA7070-1R0M	1.00	$\pm 20\%$	34.8	20.0	25.0	2.81	6.7 \pm 0.3
MDTA7070-1R8M	1.80	$\pm 20\%$	25.0	15.8	21.0	4.46	6.7 \pm 0.3
MDTA7070-3R3M	3.30	$\pm 20\%$	19.4	11.5	15.1	9.42	6.7 \pm 0.3
MDTA7070-4R7M	4.70	$\pm 20\%$	15.5	10.5	13.6	13.5	6.7 \pm 0.3
MDTA7070-6R8M	6.80	$\pm 20\%$	12.8	7.0	9.5	19.6	6.5 \pm 0.3

Saturation Current will cause L to drop approximately 30%

Temperature Rise Current that causes the specified temperature rise from 25°C ambient.

Peel force of top cover tape:



Reel Dimension: [mm]



Packaging Quantity: