



MDTA Series

Flat Wire Molded Inductor

Size 1030



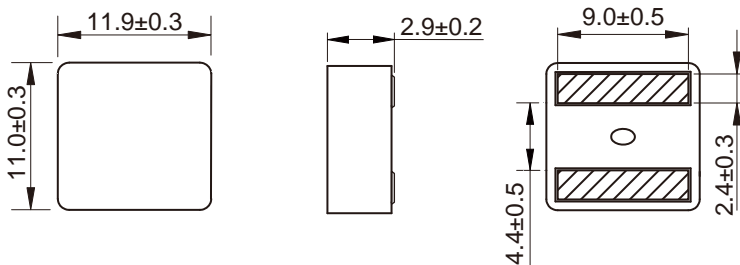
FEATURES

- 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: 1000pcs

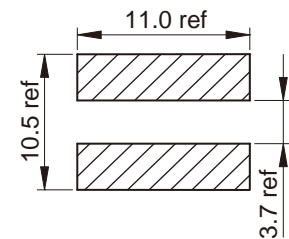
APPLICATION

- 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 (A)		R _{DC} Max. (m Ω)
				20°C rise	40°C rise	
MDTA1030-R28M	0.28	±20%	65.0	25.5	35.0	1.60
MDTA1030-R56M	0.56	±20%	44.0	23.0	32.0	2.75
MDTA1030-R82M	0.82	±20%	38.0	18.0	25.0	4.10
MDTA1030-1R0M	1.00	±20%	35.0	16.0	23.0	4.95
MDTA1030-1R5M	1.50	±20%	30.0	12.0	18.0	6.60

Saturation Current will cause L to drop approximately 30%

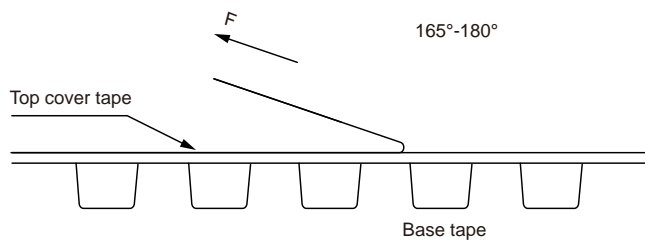
Temperature Rise Current that causes the specified temperature rise from 25°C ambient.

Soldering Reflow:

Packaging Information:

Tape Dimension:

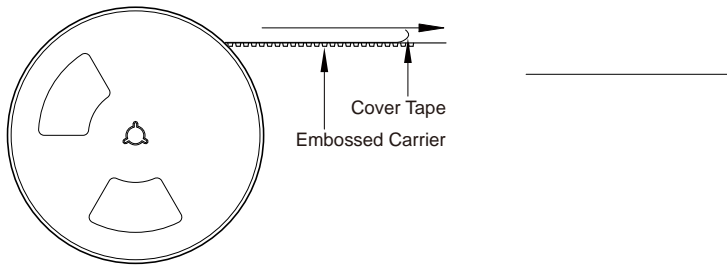
Peel force of top cover tape:



The peel force of top cover tape shall be between 0.1 to 1.3 N



Reel Dimension: [mm]



Packaging Quantity: