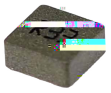
MDTA Series

Flat Wire Molded Inductor

Size 6030



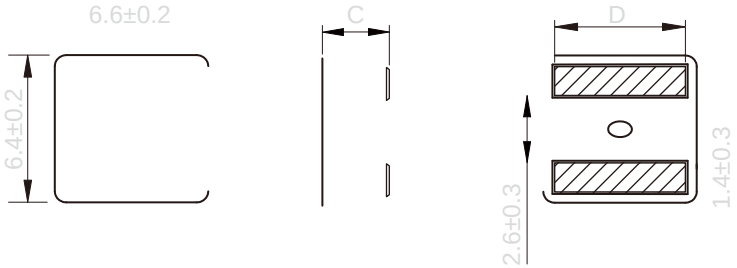
FEATURES

- Flat wire coil for low copper losses
- Composoite core material allows high satura on currents
- Very low acous c noise and very low leakage flux noise
- High current capability and handles high transient current spikes
- AEC-Q200 qualified
- Opera ng temperature -55 to +155℃(Including self - temperature rise)
- Quan ty: 1000pcs

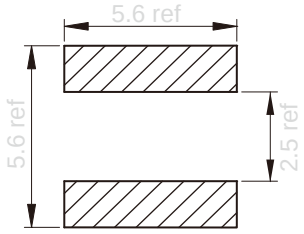
APPLICATION

- DC/DC converters for entertainment/naviga on systems
  Noise suppression for motors: windshield wipers / power seats/ power mirrors / hea ng and ven la on blowers / HID ligh ng
- LED drivers

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	L@100KHz /0.1V	Tolerance	I_{SAT} Typ.	I_R		R_{DC} Max.	C	D
				20°C rise	40°C rise			
MDTA6030-R18M	0.18	±20%	40.0	24.0	32.0	1.75	2.8±0.2	5.30±0.3
MDTA6030-R33M	0.33	±20%	32.0	20.0	25.0	2.50	2.8±0.2	5.55±0.3
MDTA6030-R56M	0.56	±20%	29.0	17.0	22.0	3.31	2.8±0.2	5.30±0.3
MDTA6030-R68M	0.68	±20%	25.0	15.0	20.0	5.17	2.8±0.2	5.30±0.3
MDTA6030-1R0M	1.00	±20%	23.0	13.0	18.0	6.05	2.8±0.2	5.20±0.3
MDTA6030-1R2M	1.20	±20%	22.0	12.0	16.0	7.40	2.8±0.2	5.15±0.3
MDTA6030-1R5M	1.50	±20%	20.0	11.0	15.0	9.13	2.9±0.2	5.15±0.3
MDTA6030-1R8M	1.80	±20%	18.2	10.0	14.0	10.2	2.9±0.2	5.10±0.3
MDTA6030-2R2M	2.20	±20%	15.9	7.00	10.0	12.2	2.9±0.2	5.05±0.3
MDTA6030-3R3M	3.30	±20%	12.2	6.00	8.00	20.8	2.9±0.2	5.00±0.3
MDTA6030-4R5M	4.50	±20%	10.0	5.00	7.00	25.3	2.9±0.2	5.00±0.3

Saturation Current will cause L to drop approximately 30%
Temperature Rise Current that causes the specified temperature rise from 25°C ambient.

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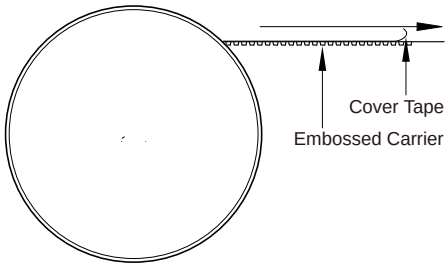
Reel Dimension：[mm]



Packaging Quantity: