MDTE Series

Wire Wound Molded SMD Power Inductors

Size 5030

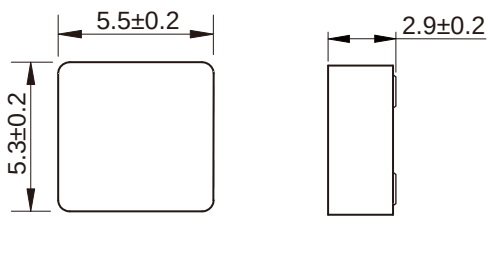
FEATURES

- So satura on
- High current,low DCR,high e ciency
- Very low acous c noise and very low leakage flux noise
- High reliability
- 100% Lead(Pb)-Free and RoHS compliant
- Opera ng temperature -55~+125℃(Including self - temperature rise)
- Quan ty: 2000pcs

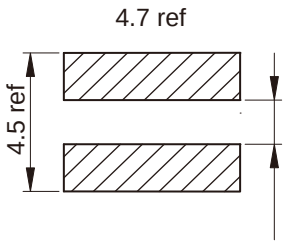
APPLICATION

- Note PC power system,incl. IMVP-6
- DC/DC converter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance @ 100KHz/0.1V	Tolerance	Current Typ.	Current Max.	Temperature Rise Current Typ.	DC Resistance Max.
MDTE5030-R15M	0.15	±20%	36.0	32.5	22.2	2.31
MDTE5030-R16M	0.16	±20%	35.0	32.0	22.2	2.33
MDTE5030-R33M	0.33	±20%	28.0	26.0	19.2	3.52
MDTE5030-R47M	0.47	±20%	26.0	24.0	18.4	4.13
MDTE5030-R56M	0.56	±20%	22.2	20.2	17.7	4.52
MDTE5030-R60M	0.60	±20%	22.0	20.0	17.7	4.52
MDTE5030-R80M	0.80	±20%	20.0	18.0	13.1	5.65
MDTE5030-R82M	0.82	±20%	19.7	17.6	12.9	5.78
MDTE5030-1R0M	1.00	±20%	16.5	14.3	12.2	7.60
MDTE5030-1R2M	1.20	±20%	15.0	13.5	11.0	9.70
MDTE5030-1R5M	1.50	±20%	14.0	12.5	10.5	11. в
MDTE5030-1R8M	1.80	±20%	12.3	11.3	10.1	2
MDTE5030-2R2M	2.20	±20%	10.0	9.00	9.70	9 ά
MDTE5030-3R3M	3.30	±20%	9.50	8.70	8.10	
MDTE5030-4R7M	4.70	±20%	8.20	7.00	5.90	

Saturation Current will cause L to drop approximately 30%

Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40°C

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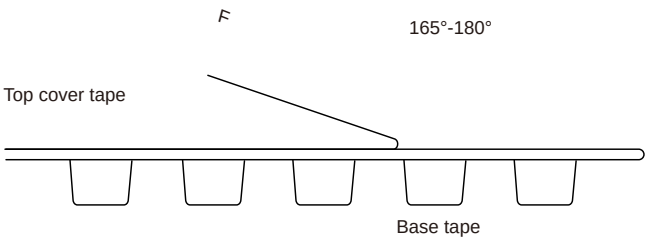
Peel force of top cover tape:



Reel Dimension：[mm]

Packaging Quantity: