MDTE Series

Wire Wound Molded SMD Power Inductors

Size 4030



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

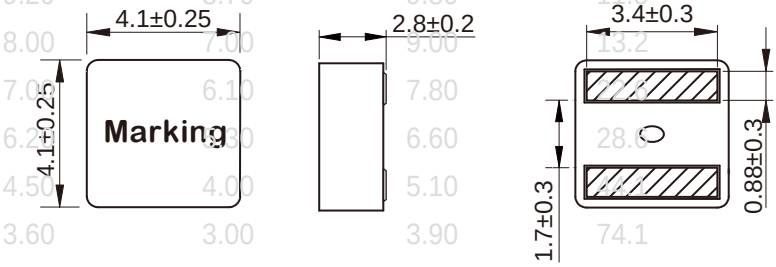
APPLICATION

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

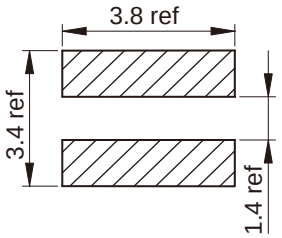
(mΩ)

17.0 15.0 14.0 7.26
10.0 9.00 11.2 10.1
9.80 9.20 11.0 10.1
9.20 8.70 9.80 11.5
8.00 7.00 9.00 13.2
7.00 6.10 7.80 22.6
6.20 5.30 6.60 28.6
4.50 4.00 5.10 24.
3.60 3.00 3.90 74.1

Dimensions: [mm]



Land Pattern: [mm]

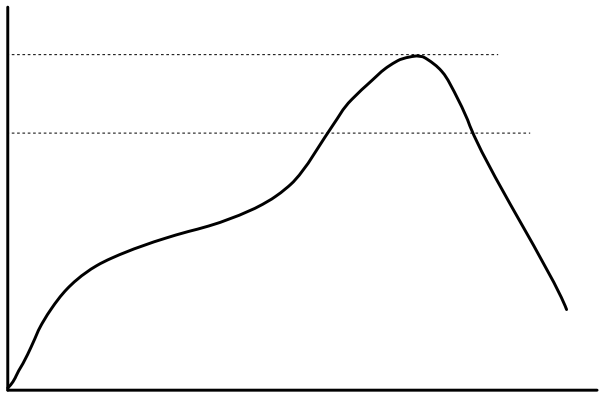


Electrical Properties:

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

Soldering Reflow:



Preheat condition: 150 ~200℃/ 60~120 sec.

Allowed time above 217℃: 60~90 sec.

Max temperature: 260℃.

Max time at max temperature: 10 sec.

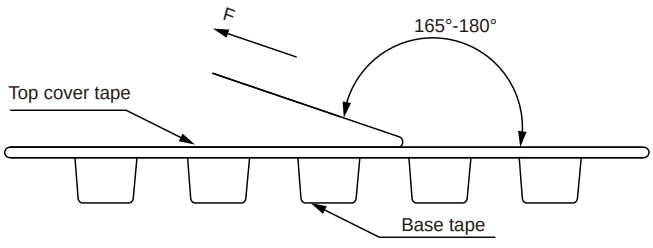
Allowed Reflow time: 2x max.

Packaging Information:

Tape Dimension:

Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDTE4030	4.5 ± 0.1	4.5 ± 0.1	1.5 ± 0.1	4.0 ± 0.1	8.0 ± 0.1	12.0 ± 0.3	3.3 ± 0.1	1.75 ± 0.1	0.35 ± 0.05

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: