MDTE Series

Wire Wound Molded SMD Power Inductors
Size 5050

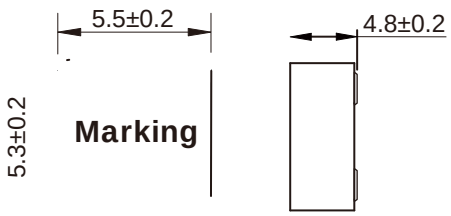
FEATURES

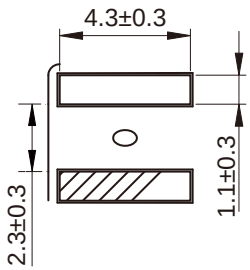
- So satura on
- High current,low DCR,high e ciency
- Very low acous c noise and very low leakage flux noise
- High reliability
- 100% Lead(Pb)-Free and RoHS compliant
- Opera ng temperature -55~+125℃(Including self - temperature rise)
- Quan ty: 1500pcs

APPLICATION

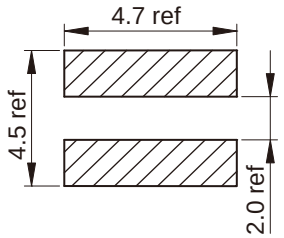
- Note PC power system,incl. IMVP-6
- DC/DC converter

Dimensions: [mm]





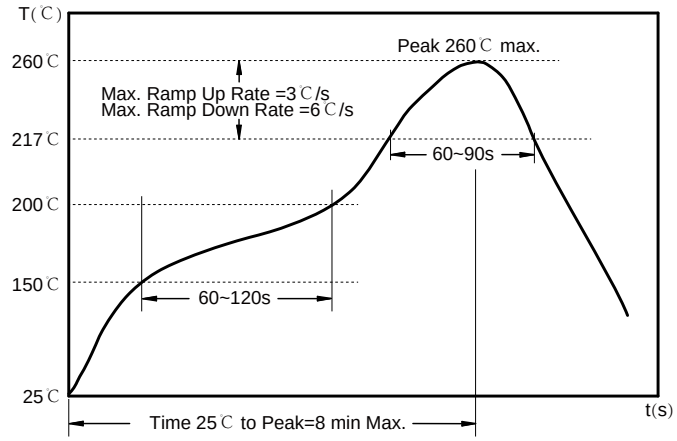
Land Pattern: [mm]



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.

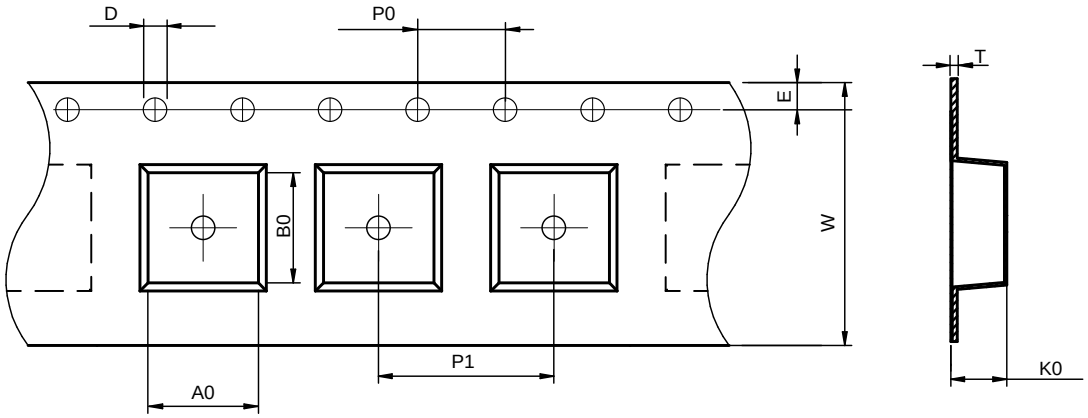
Max temperature: 260℃.

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

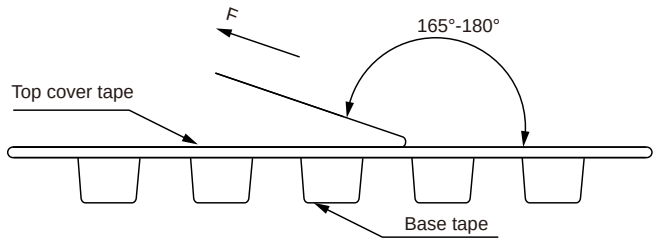
Packaging Information:

Tape Dimension:



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDTE5050	6.0 ± 0.1	5.7 ± 0.1	1.5 ± 0.1	4.0 ± 0.1	8.0 ± 0.1	16.0 ± 0.3	5.3 ± 0.1	1.75 ± 0.1	0.35 ± 0.05

Peel force of top cover tape:

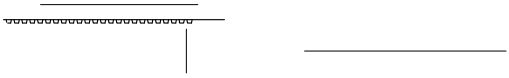


The peel force of top cover tape shall be between 0.1 to 1.3 N

Product Marking:

Marking	Printing Inductance)

Reel Dimension：[mm]



Packaging Quantity: