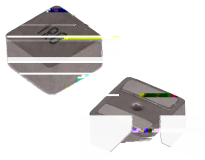
MDTE Series



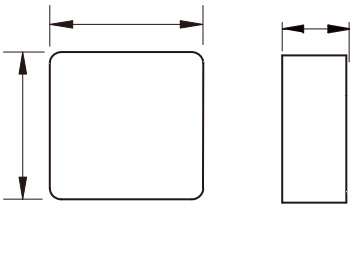
FEATURES

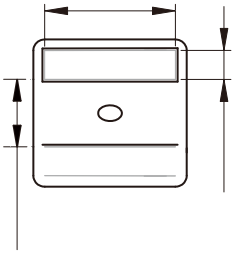
- So satura on
- High current,low DCR,high e ciency
- Very low acous c noise and very low leakage flux noise
- High reliability
- 100% Lead(Pb)-Free and RoHS compliant
- Opera ng temperature -55~+125℃(Including self - temperature rise)
- Quan ty: 500pcs

APPLICATION

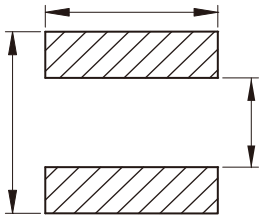
- Note PC power system,incl. IMVP-6
- DC/DC converter

Dimensions: [mm]





Land Pattern: [mm]

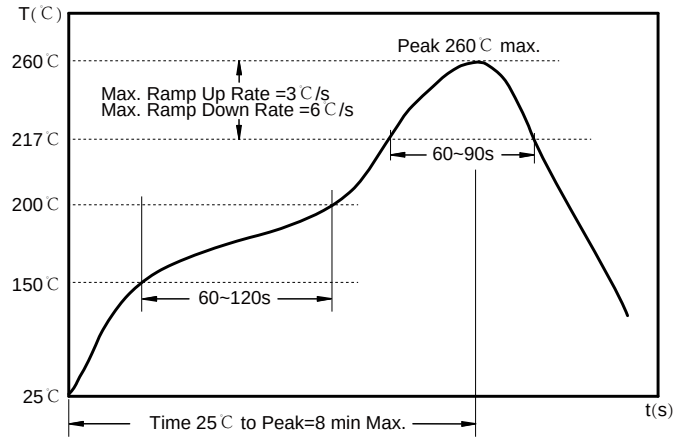


Electrical Properties:

Part No	Inductance @ 100KHz/0.1V (μH)	Tolerance	Satura on Current Typ. (A)	Satura on Current Max. (A)	Temperature Rise Current Typ. (A)	DC Resistance Max. (mΩ)	D (mm)
MDTE1060-R68M	0.68	±20%	55.0	50.0	34.0	1.50	9.5±0.5
MDTE1060-1R0M	1.00	±20%	48.0	44.0	28.5	2.32	9.0±0.5
MDTE1060-1R2M	1.20	±20%	45.0	40.0	26.5	2.64	9.0±0.5
MDTE1060-1R5M	1.50	±20%	40.0	36.0	24.5	3.30	9.0±0.5
MDTE1060-2R2M	2.20	±20%	35.0	30.0	20.0	4.84	9.0±0.5
MDTE1060-3R3M	3.30	±20%	28.0	25.0	16.8	7.70	9.0±0.5
MDTE1060-4R7M	4.70	±20%	25.0	22.0	14.0	10.72	9.0±0.5

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.

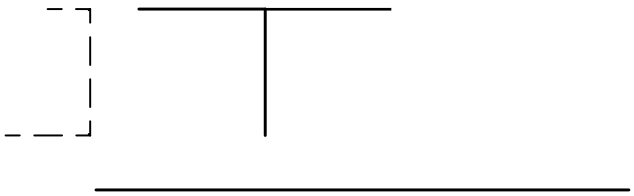
Max temperature: 260℃.

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

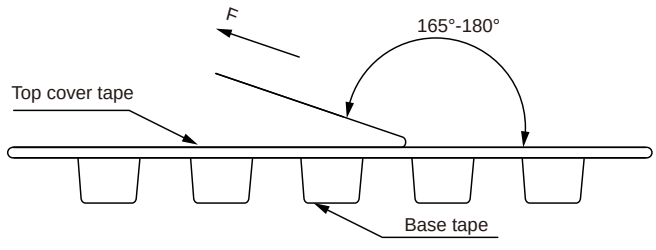
Packaging Information:

Tape Dimension:



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDTE1060	12.4 ± 0.1	11.5 ± 0.1	1.5 ± 0.1	4.0 ± 0.1	16.0 ± 0.1	24.0 ± 0.3	6.3 ± 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: