



MDTE Series

Wire Wound Molded SMD Power Inductors

Size 5050



FEATURES

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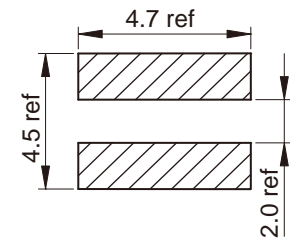
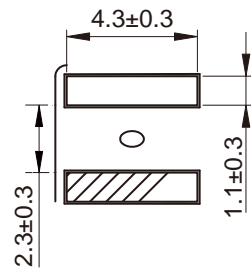
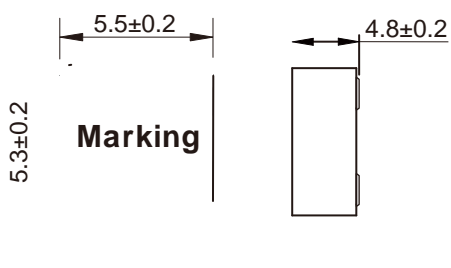
°C

APPLICATION

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Dimensions: [mm]

Land Pattern: [mm]



Electrical Properties:

Satura on

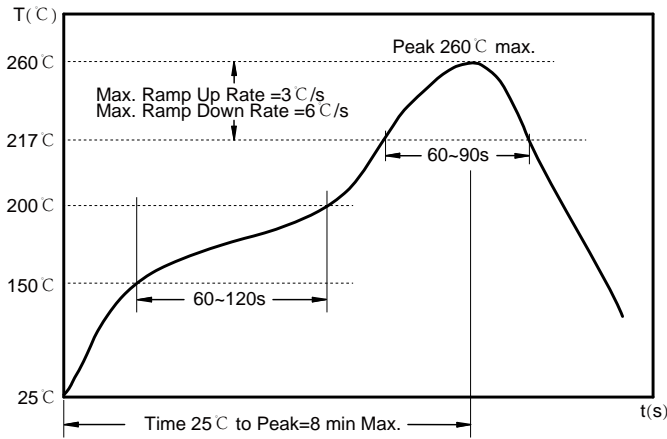
(A)	(A)	(A)	(m)
10			

Saturation Current will cause L to drop approximately 30%

Temperature Rise Current: The actual value of DC current when the temperature rise is $\Delta T=40^{\circ}\text{C}$



Soldering Reflow:



Preheat condition: 150 ~200°C / 60~120 sec.

Allowed time above 217°C: 60~90 sec.

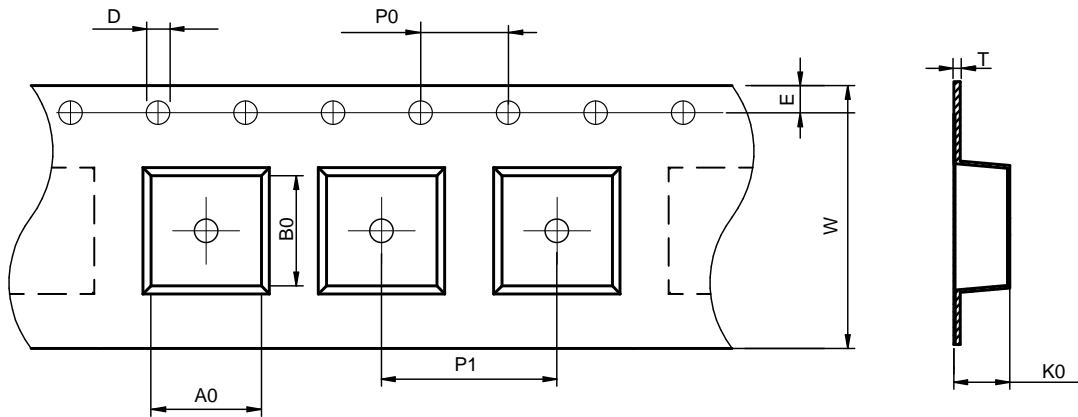
Max temperature: 260°C.

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

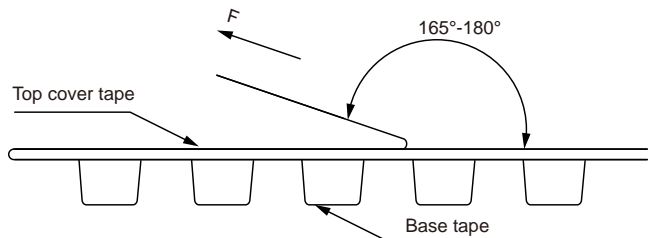
Packaging Information:

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)
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Reel Dimension: [mm]



Packaging Quantity: