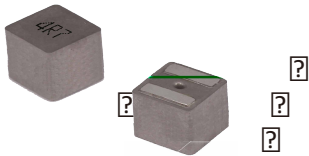


MDTE Series

Wire Wound Molded SMD Power Inductors

Size 1513



FEATURES

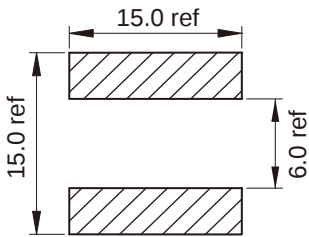
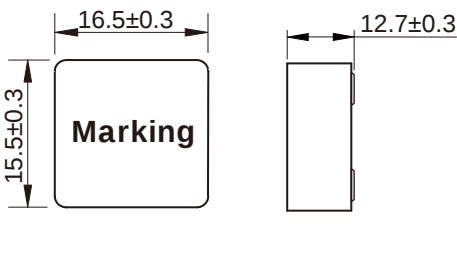
- High power density
- High temperature capability
- High reliability
- Low inductance variation
- Low EMI
- Low cost

APPLICATION

- Power supply
- Motor drive
- Industrial control
- Automotive

Dimensions: [mm]

Land Pattern: [mm]

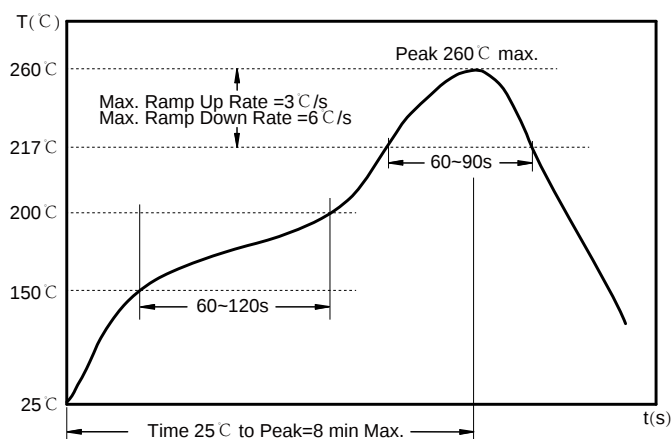


Electrical Properties:

			Saturation	Saturation		
	(μH)		(A)	(A)	(A)	(mΩ)

Saturation Current will cause L to drop approximately 30%
Temperature Rise Current: The actual value of DC current when the temperature rise is ΔT=40°C

Soldering Reflow:



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

Allowed time above 217 °C : 60~90 sec.

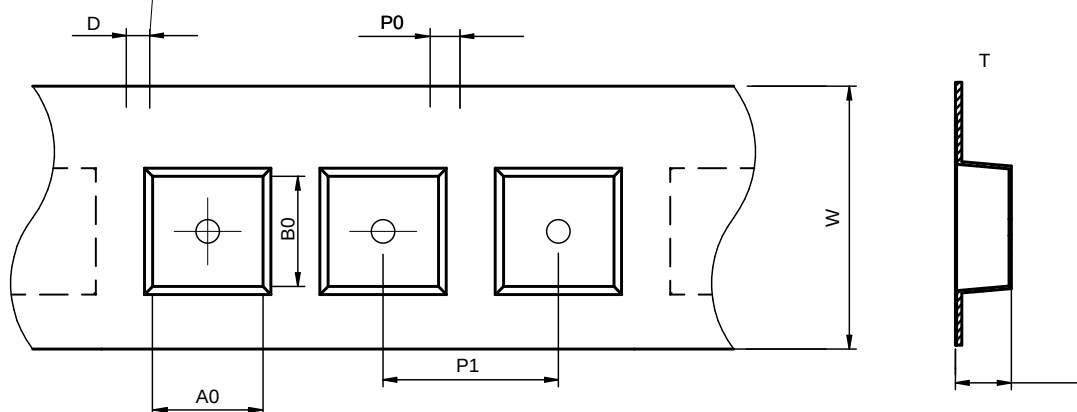
Max temperature: 260 °C .

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

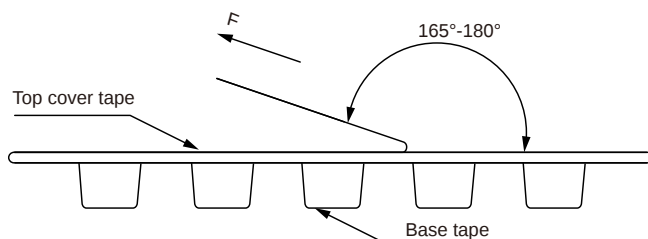
Packaging Information:

Tape Dimension:



Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDTE1513	17.0±0.1	16.0±0.1	1.5±0.1	4.0±0.1	24.0±0.1	32.0±0.3	13.6±0.1	1.75±0.1	0.5±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: