

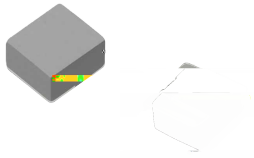
MDTE Series

Wire Wound Molded SMD Power Inductors

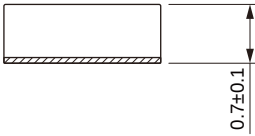
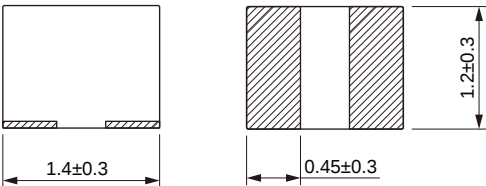
Size 141208

FEATURES

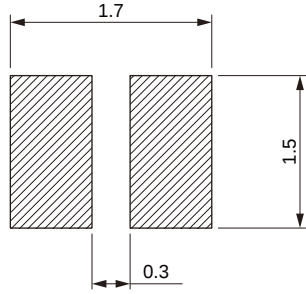
- 3D model and 2D drawing
- Inductance range: 0.33mH to 0.47mH
- Power rating: 0.5W
- Temperature range: -40°C to +125°C
- RoHS compliant
- Lead-free
- High precision
- High reliability



Dimensions: [mm]



Land Pattern: [mm]



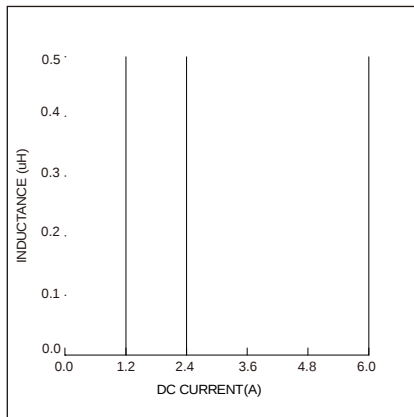
Electrical Properties:

Part No	Inductance @ 1MHz/1V	Tolerance	Current Typ.	Current Max.	Temperature Rise Current Typ.	Temperature Rise Current Max.	DC Resistance Max.
MDTE141208-R33M	0.33	±20%	5.3	5.0	4.0	3.5	28
MDTE141208-R47M	0.47	±20%	4.6	4.2	3.8	3.3	35

Saturation Current will cause L to drop approximately 30%

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

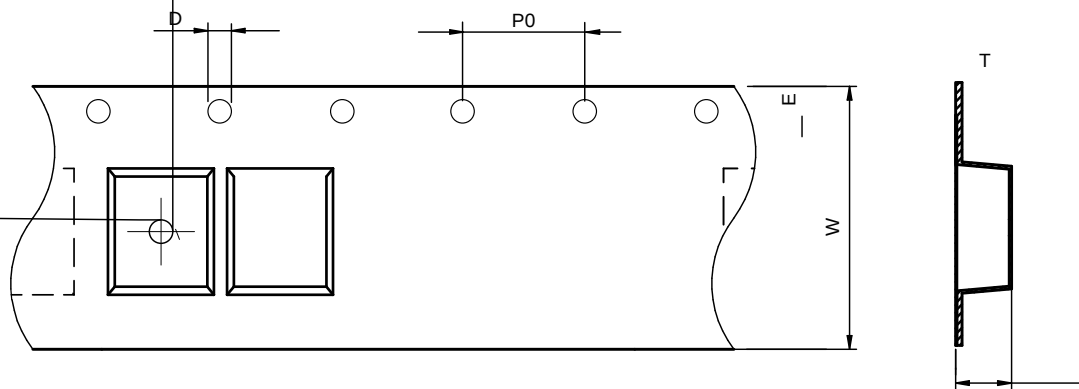
Typical Electrical Characteristics:



Soldering Reflow:

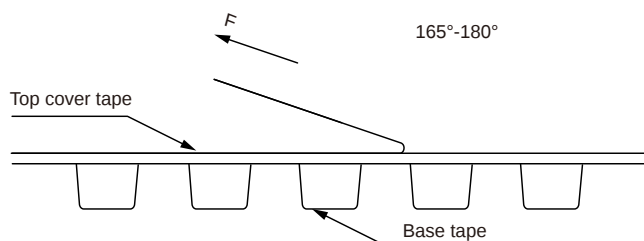
Packaging Information:

Tape Dimension:



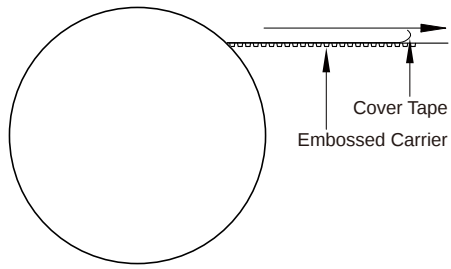
Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDTE141208	1.5 ± 0.1	1.7 ± 0.1	1.5 ± 0.1	4.0 ± 0.1	4.0 ± 0.1	8.0 ± 0.1	1.0 ± 0.1	1.75 ± 0.1	0.25 ± 0.05

Peel force of top cover tape:



The peel force of top cover tape shall be between 0.1 to 0.98 N

Reel Dimension: [mm]



Packaging Quantity: