

MDTE Series

Wire Wound Molded SMD Power Inductors

Size 7030



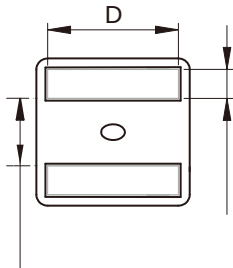
FEATURES

- 100% RoHS Compliant
- High Power Density
- High Temperature Capability
- High Inductance
- Low DC Resistance
- High Saturation Current
- High Temperature Rise Current
- High Reliability

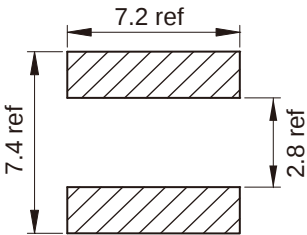
APPLICATION

- Power Supplies
- Motor Drives

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)

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℃ / 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.

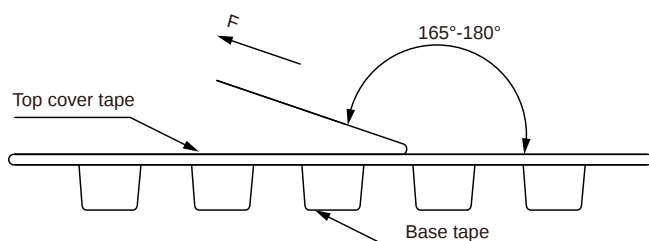


Packaging Information:

Tape Dimension:

Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDTE7030	8.2 ± 0.1	8.0 ± 0.1	1.5 ± 0.1	4.0 ± 0.1	12.0 ± 0.1	16.0 ± 0.3	3.3 ± 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



Reel Dimension: [mm]



Packaging Quantity: