

MDTE Series

Wire Wound Molded SMD Power Inductors

Size 7030



FEATURES

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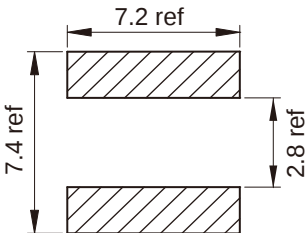
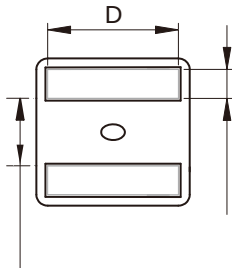
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APPLICATION

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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 $\Delta T=40^{\circ}\text{C}$

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.

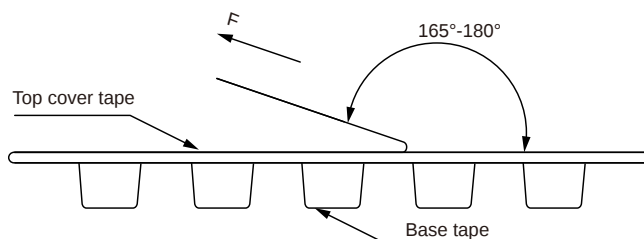


Packaging Information:

Tape Dimension :

Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
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: