

# MDTE Series

## Wire Wound Molded SMD Power Inductors

### Size 7030



#### FEATURES

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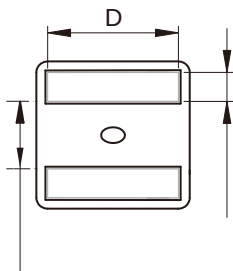
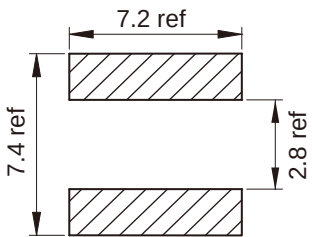
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#### APPLICATION

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Dimensions: [mm]

Land Pattern: [mm]



#### Electrical Properties:

|  | (μH) |  | Satura on<br>(A) | Satura on<br>(A) | (A) | (mΩ) | (mm) |
|--|------|--|------------------|------------------|-----|------|------|
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|  |      |  |                  |                  |     |      |      |
|  |      |  |                  |                  |     |      |      |

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.

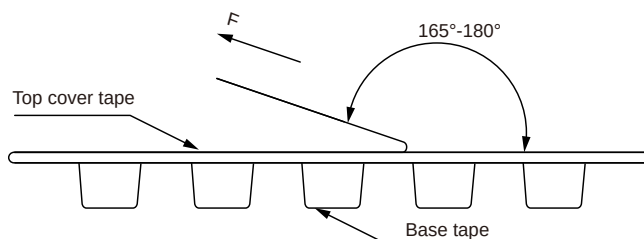


## Packaging Information:

### Tape Dimension :

| Series   | A0<br>(mm) | B0<br>(mm) | D<br>(mm) | P0<br>(mm) | P1<br>(mm) | W<br>(mm) | K0<br>(mm) | E<br>(mm) | T<br>(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: