



**MDTE Series**  
Wire Wound Molded SMD Power Inductors  
Size 6050



**FEATURES**

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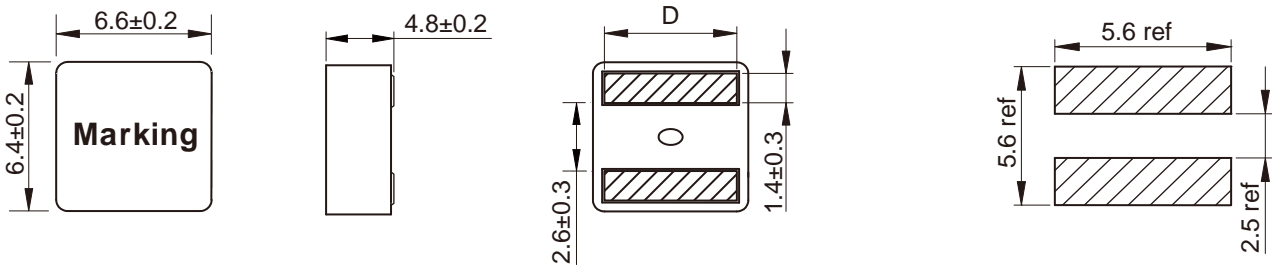
C

**APPLICATION**

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Dimensions: [mm]

Land Pattern: [mm]



**Electrical Properties:**

Part No	Inductance @ 100KHz/0.1V	Tolerance	Current Typ.	Current Max.	Temperature Rise Current Typ.	DC Resistance Max.	D

Saturation Current will cause L to drop approximately 30%  
Temperature Rise Current: The actual value of DC current when the temperature rise is  $\Delta T=40^{\circ}C$

## 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.

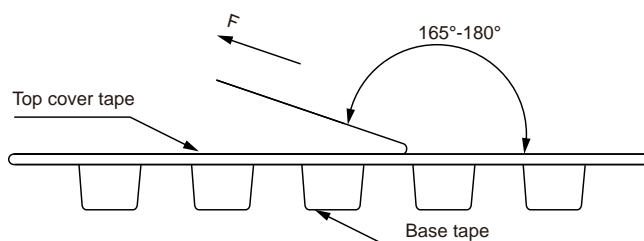
Allowed Reflow time: 2x max.

## Packaging Information:

### Tape Dimension:

Series	A0 (mm)	B0 (mm)	D (mm)	P0 (mm)	P1 (mm)	W (mm)	K0 (mm)	E (mm)	T (mm)
MDTE6050	7.0±0.1	6.8±0.1	1.5±0.1	4.0±0.1	12.0±0.1	16.0±0.3	5.3±0.1	1.75±0.1	0.35±0.05

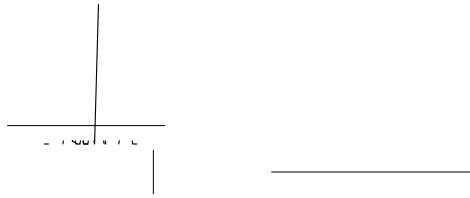
### Peel force of top cover tape:



The peel force of top cover tape shall be between 0.1 to 1.3 N



Reel Dimension: [mm]



Packaging Quantity: