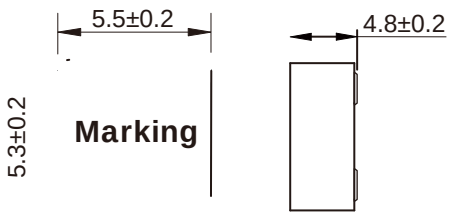
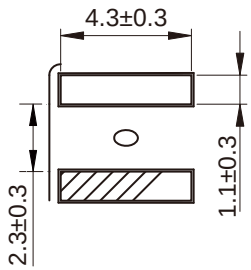
# Wire Wound Molded SMD Power Inductors
# Size 5050

- So satura on
- High current,low DCR,high e ciency
- Very low acous c noise and very low leakage flux noise
- High reliability
- 100% Lead(Pb)-Free and RoHS compliant
- Opera ng temperature -55~+125℃(Including self - temperature rise)
- Quan ty: 1500pcs

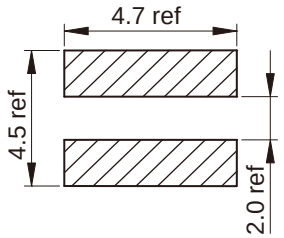
- Note PC power system,incl. IMVP-6
- DC/DC converter

## Dimensions: [mm]



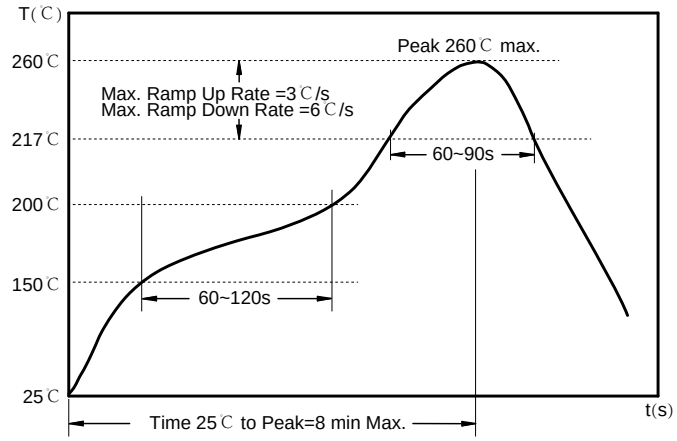

## Land Pattern: [mm]




## Electrical Properties:

Saturation Current will cause L to drop approximately 30%
Temperature Rise Current: The actual value of DC current when the temperature rise is △T=40°C

## Soldering Reflow:




Preheat condition: 150 ~200℃/ 60~120 sec.

Allowed time above 217℃: 60~90 sec.

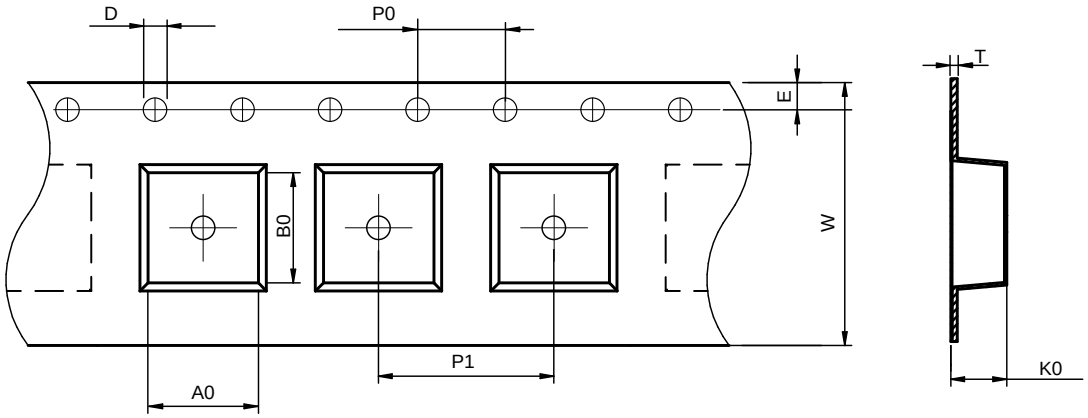
Max temperature: 260℃.

Max time at max temperature: 10 sec.

Allowed Reflow time: 2x max.

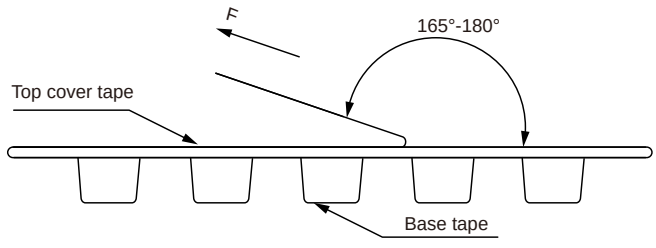
## Packaging Information:

### Tape Dimension:




| Series | A0 (mm) | B0 (mm) | D (mm) | P0 (mm) | P1 (mm) | W (mm) | K0 (mm) | E (mm) | T (mm) |
|---|---|---|---|---|---|---|---|---|---|
| MDTE5050 | 6.0 ± 0.1 | 5.7 ± 0.1 | 1.5 ± 0.1 | 4.0 ± 0.1 | 8.0 ± 0.1 | 16.0 ± 0.3 | 5.3 ± 0.1 | 1.75 ± 0.1 | 0.35 ± 0.05 |

### Peel force of top cover tape:

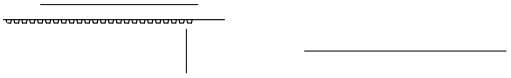



The peel force of top cover tape shall be between 0.1 to 1.3 N

### Product Marking:

| Marking | Printing Inductance) |
|---|---|

Reel Dimension：[mm]



Packaging Quantity: