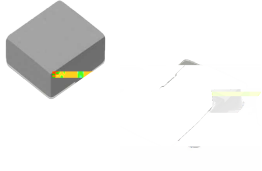




## MDTE Series

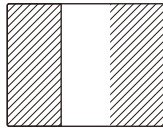
Wire Wound Molded SMD Power Inductors

Size 20161A



Dimensions: [mm]

Land Pattern: [mm]



### Electrical Properties:

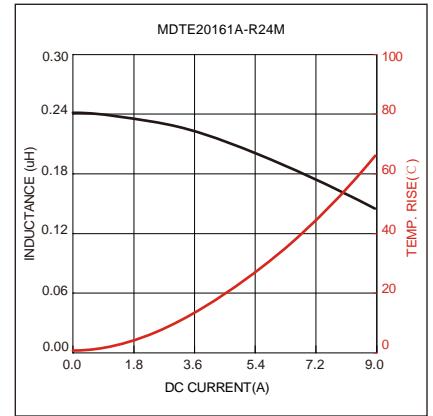
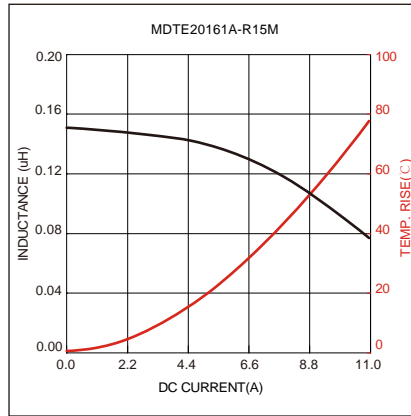
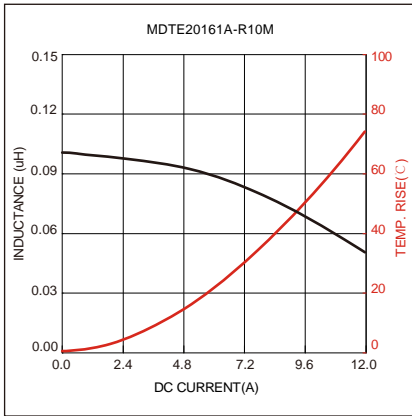
| Part No | Inductance @ 1MHz/1V | Tolerance | Current Typ. | Current Max. | Temperature Rise Current Typ. | Temperature Rise Current Max. | DC Resistance Max. |
|---------|----------------------|-----------|--------------|--------------|-------------------------------|-------------------------------|--------------------|
|         |                      |           |              |              |                               |                               |                    |
|         |                      |           |              |              |                               |                               |                    |
|         |                      |           |              |              |                               |                               |                    |
|         |                      |           |              |              |                               |                               |                    |
|         |                      |           |              |              |                               |                               |                    |
|         |                      |           |              |              |                               |                               |                    |
|         |                      |           |              |              |                               |                               |                    |
|         |                      |           |              |              |                               |                               |                    |
|         |                      |           |              |              |                               |                               |                    |
|         |                      |           |              |              |                               |                               |                    |

Saturation Current will cause L to drop approximately 30%

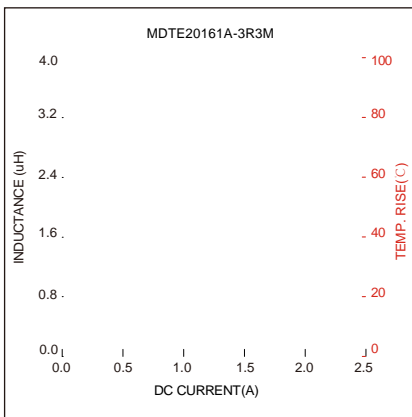
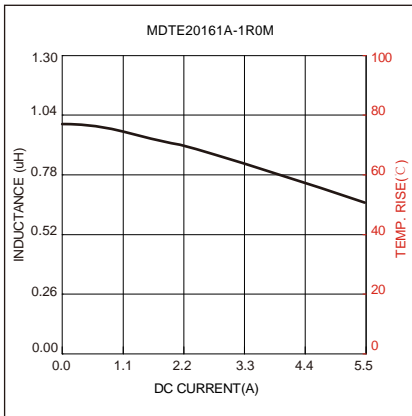
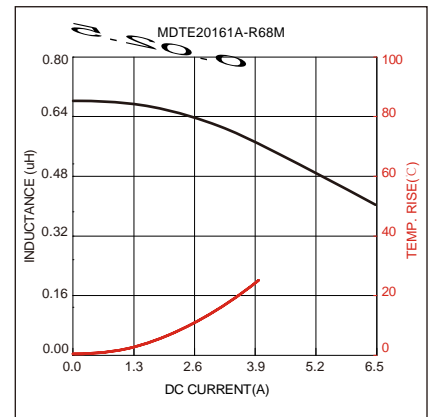
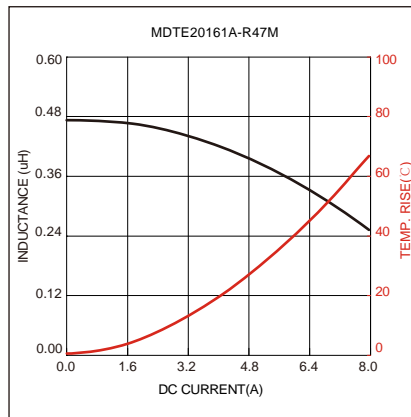
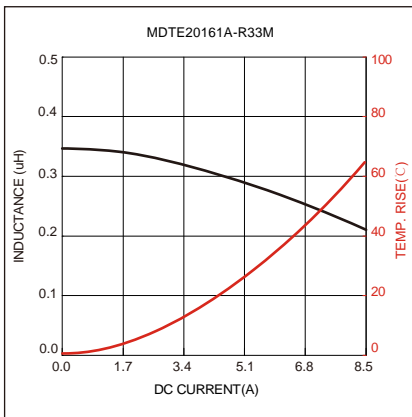
Temperature Rise Current: The actual value of DC current when the temperature rise is  $\Delta T=40^{\circ}\text{C}$



# Typical Electrical Characteristics:



2.52.52.52





## Soldering Reflow:

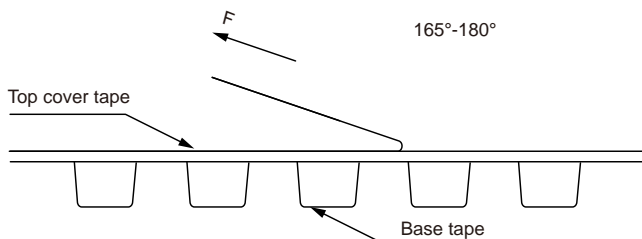
## Packaging Information:

### 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)  |
|------------|------------|------------|-----------|------------|------------|-----------|------------|-----------|------------|
| MDTE20161A | 1.9± 0.1   | 2.3± 0.1   | 1.5± 0.1  | 4.0± 0.1   | 4.0± 0.1   | 8.0± 0.1  | 1.2± 0.1   | 1.75± 0.1 | 0.25± 0.05 |

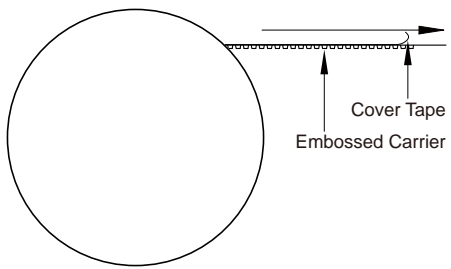
### Peel force of top cover tape:



The peel force of top cover tape shall be between 0.1 to 0.98 N



Reel Dimension: [mm]



Packaging Quantity: