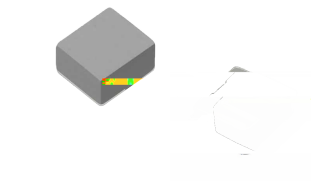




# MDTE Series

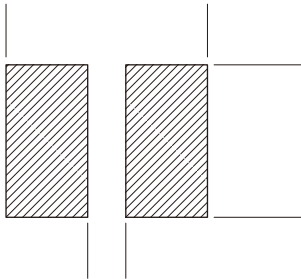
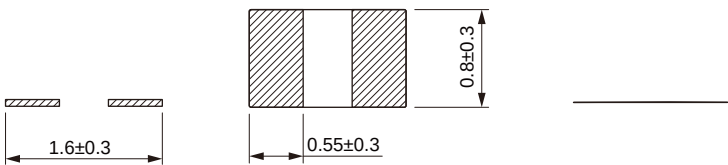
## Wire Wound Molded SMD Power Inductors

### Size 160808



Dimensions: [mm]

Land Pattern: [mm]

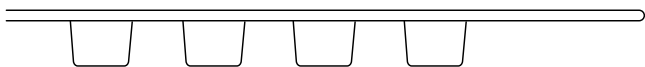


### Electrical Properties:

| Part No         | Inductance<br>@ 1MHz/1V<br>(μH) | Tolerance | Satura on<br>Current<br>Typ.<br>(A) | Satura on<br>Current<br>Max.<br>(A) | Temperature<br>Rise Current<br>Typ.<br>(A) | Temperature<br>Rise Current<br>Max.<br>(A) | DC<br>Resistance<br>Max.<br>(mΩ) |
|-----------------|---------------------------------|-----------|-------------------------------------|-------------------------------------|--------------------------------------------|--------------------------------------------|----------------------------------|
| MDTE160808-R22M | 0.22                            | ±20%      | 5.5                                 | 5.0                                 | 3.4                                        | 3.0                                        | 40                               |
| MDTE160808-R47M | 0.47                            | ±20%      | 4.7                                 | 4.2                                 | 2.8                                        | 2.5                                        | 100                              |
| MDTE160808-R56M | 0.56                            | ±20%      | 4.1                                 | 3.6                                 | 2.4                                        | 2.2                                        | 110                              |
| MDTE160808-R68M | 0.68                            | ±20%      | 3.3                                 | 3.0                                 | 2.2                                        | 2.0                                        | 138                              |
| MDTE160808-1R0M | 1.00                            | ±20%      | 3.0                                 | 2.6                                 | 2.1                                        | 1.8                                        | 200                              |

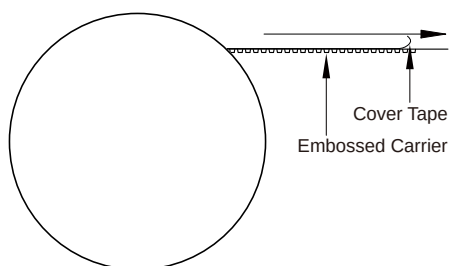
Saturation Current will cause L to drop approximately 30%  
Temperature Rise Current: The actual value of DC current when the temperature rise is  $\Delta T=40^{\circ}\text{C}$

Typical Electrical Characteristics:





Reel Dimension: [mm]



Packaging Quantity: