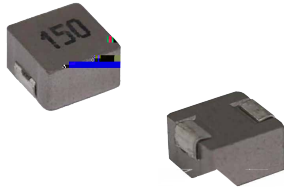


## MDE Series

### Molding Power Inductors

### Size 0640



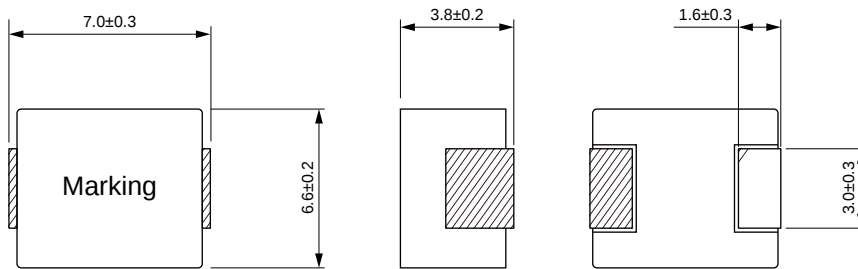
#### FEATURES

- High rated current
- Frequency up to 3 MHz
- 125 °C
- Low core loss
- 
- Halogen Free & ROHS compliant
- 
- 

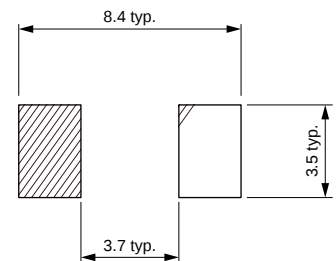
#### APPLICATION

- 
- Switch and servers
- 
- 
- 
- SSD modules

#### Dimensions: [mm]



#### Land Pattern: [mm]



#### Electrical Properties:

| Part No | Inductance<br>@ 100kHz/1V | Tolerance | DC<br>Resistance<br>Max. | Current<br>Typ.<br>(A) | Temperature<br>Rise Current<br>Typ.<br>(A) |
|---------|---------------------------|-----------|--------------------------|------------------------|--------------------------------------------|
|         |                           |           |                          |                        | 13.5                                       |
|         |                           |           |                          | 12.5                   | 12.4                                       |
|         |                           |           |                          |                        |                                            |
|         |                           |           |                          |                        |                                            |
|         |                           |           |                          |                        |                                            |
|         |                           |           |                          |                        |                                            |
|         |                           |           |                          |                        |                                            |
|         |                           |           | 125                      |                        |                                            |
|         |                           |           |                          |                        |                                            |
|         |                           |           |                          |                        |                                            |

Saturation Current will cause L to drop approximately 30%

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