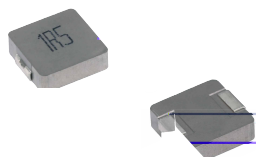
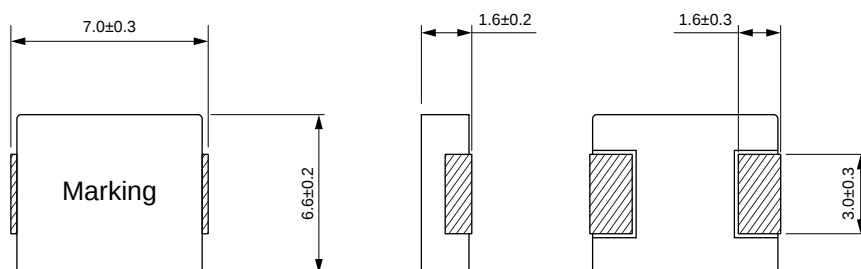


## Molding Power Inductors Size 0618

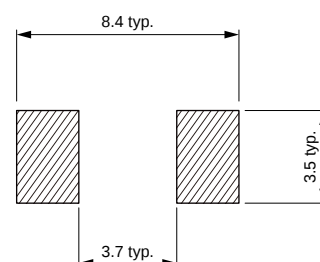


- 
- 
- $^{\circ}\text{C}$  maximum total temperature operation
- 
- Ultra low buzz noise due to molding construction
- 
- Operating temperature range -  $55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
- Quantity: 2000pcs
- 
- Laptops and PCs
- 
- Base stations
- DC/DC converters
- Battery powered devices
- 

### Dimensions: [mm]



### Land Pattern: [mm]



### Electrical Properties:

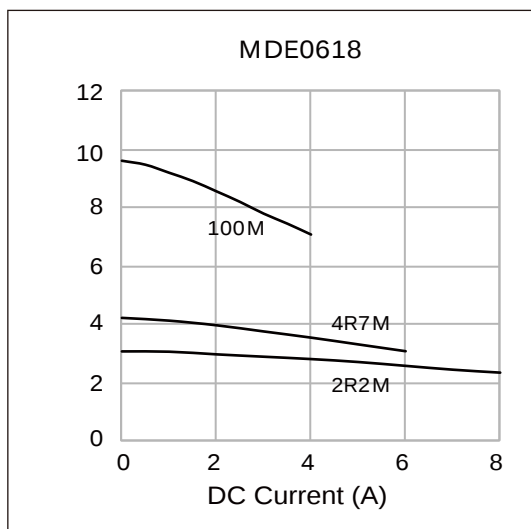
|              | ( $\mu\text{H}$ ) |            | ( $\text{m}\Omega$ ) | Saturation |      |
|--------------|-------------------|------------|----------------------|------------|------|
| MDE0618-R10M | 0.10              | $\pm 20\%$ | 2.30                 | 38.0       | 25.0 |
| MDE0618-R22M | 0.22              | $\pm 20\%$ | 3.50                 | 24.0       | 22.0 |
| MDE0618-R47M | 0.47              | $\pm 20\%$ | 8.40                 | 18.0       |      |
| MDE0618-R68M | 0.68              | $\pm 20\%$ | 12.0                 |            | 9.50 |
| MDE0618-1R0M | 1.00              | $\pm 20\%$ | 16.0                 | 12.0       | 8.50 |
| MDE0618-1R5M | 1.50              | $\pm 20\%$ | 26.0                 | 9.20       | 8.00 |
| MDE0618-2R2M | 2.20              | $\pm 20\%$ | 35.0                 | 8.00       | 7.00 |
| MDE0618-3R3M | 3.30              | $\pm 20\%$ | 50.0                 | 6.00       | 4.50 |
| MDE0618-4R7M | 4.70              | $\pm 20\%$ | 62.0                 | 5.00       | 4.00 |
| MDE0618-6R8M | 6.80              | $\pm 20\%$ | 110                  | 4.50       | 3.00 |
| MDE0618-100M | 10.0              | $\pm 20\%$ |                      | 4.00       | 2.30 |
| MDE0618-220M | 22.0              | $\pm 20\%$ | 350                  | 2.30       | 1.80 |

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:

### Inductance vs DC Current Characteristics:



### Temperature Rise vs DC Current Characteristics:

