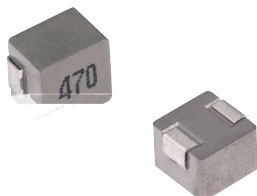
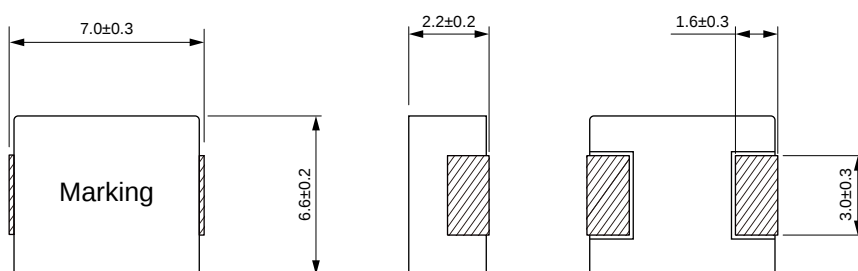


## Molding Power Inductors Size 0624

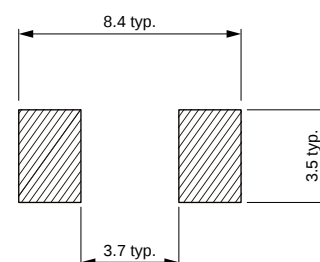


- 
- 
- $^{\circ}\text{C}$  maximum total temperature operation
- 
- Ultra low buzz noise due to molding construction
- 
- Operating temperature range -  $55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
- Quantity: 1500pcs
- 
- Laptops and PCs
- 
- Base stations
- DC/DC converters
- Battery powered devices
- 

### Dimensions: [mm]



### Land Pattern: [mm]



### Electrical Properties:

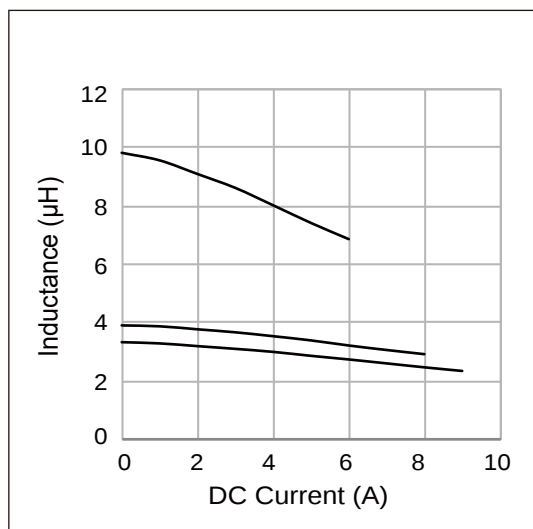
|              | ( $\mu\text{H}$ ) |            | ( $\text{m}\Omega$ ) | Saturation |      |
|--------------|-------------------|------------|----------------------|------------|------|
| MDE0624-R22M | 0.22              | $\pm 20\%$ | 3.00                 | 30.0       | 21.0 |
| MDE0624-R33M | 0.33              | $\pm 20\%$ | 4.10                 | 24.5       | 18.0 |
| MDE0624-R47M | 0.47              | $\pm 20\%$ | 5.10                 | 20.0       | 15.0 |
| MDE0624-R56M | 0.56              | $\pm 20\%$ | 6.50                 | 17.0       | 13.0 |
| MDE0624-R68M | 0.68              | $\pm 20\%$ | 7.00                 | 16.0       | 12.0 |
| MDE0624-1R0M | 1.00              | $\pm 20\%$ | 13.5                 | 15.0       | 9.00 |
| MDE0624-1R5M | 1.50              | $\pm 20\%$ | 20.0                 | 13.5       | 8.20 |
| MDE0624-2R2M | 2.20              | $\pm 20\%$ | 28.0                 | 10.0       | 7.00 |
| MDE0624-3R3M | 3.30              | $\pm 20\%$ | 39.0                 | 8.00       | 5.50 |
| MDE0624-4R7M | 4.70              | $\pm 20\%$ | 50.0                 | 6.50       | 5.00 |
| MDE0624-6R8M | 6.80              | $\pm 20\%$ | 70.0                 | 6.00       | 4.00 |
| MDE0624-100M | 10.0              | $\pm 20\%$ | 101                  | 4.00       | 3.10 |
| MDE0624-150M | 15.0              | $\pm 20\%$ | 160                  | 3.30       | 2.50 |
| MDE0624-220M | 22.0              | $\pm 20\%$ | 230                  | 2.50       | 2.00 |

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:

