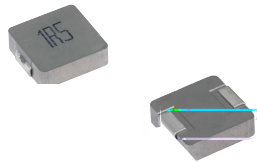


**MDE Series**  
**Molding Power Inductors**  
**Size 0412**



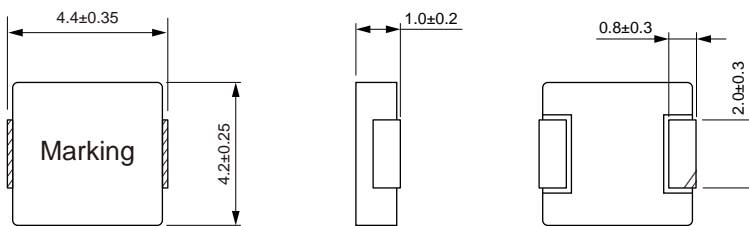
**FEATURES**

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

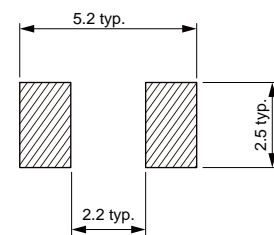
**APPLICATION**

- 
- Switch and servers
- 
- 
- 
- SSD modules

**Dimensions: [mm]**



**Land Pattern: [mm]**



**Electrical Properties:**

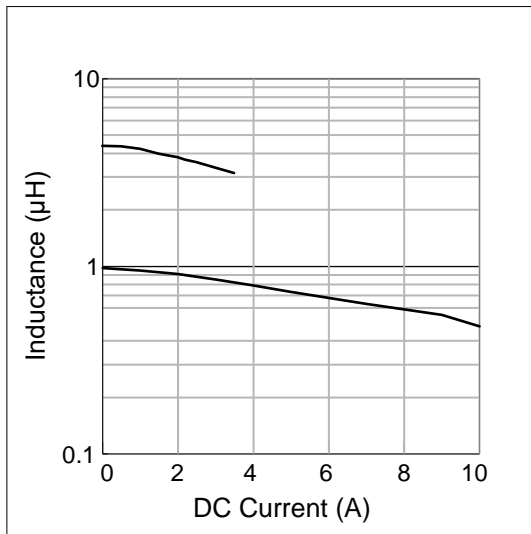
	( $\mu\text{H}$ )	( $\text{m}\Omega$ )	Saturation	
				3.25
		83.5		2.75
		195		

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:

