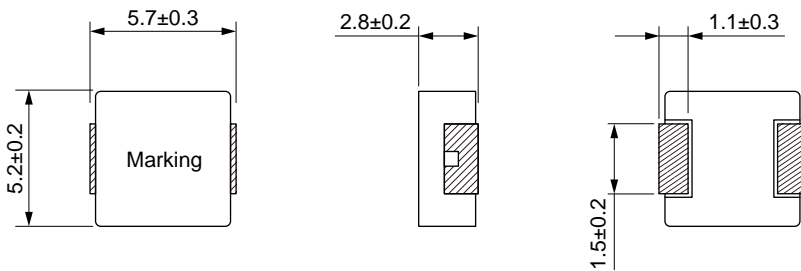


# SMD Power Inductor Size 5030

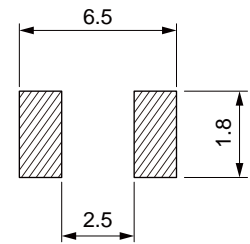


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- , , high efficiency.
- Very low acoustic noise and very low leakage flux noise.
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- AEC-Q200 qualified
- Operating temperature: -55 to +125 °C (including self-temperature rise)
- Quantity: 2000pcs
- 
- DC/DC converter

## Dimensions: [mm]



## Land Pattern: [mm]



## Electrical Properties:

	( $\mu\text{H}$ )	(A)	Saturation (A)	(m $\Omega$ )	(m $\Omega$ )
MDCA5030-R10N				25.0	
MDCA5030-R20N			25.0		
MDCA5030-R22M		15.5			
MDCA5030-R33M					5.00
MDCA5030-R47M					
MDCA5030-R68M		8.50			
MDCA5030-1R0M					
MDCA5030-1R2M		6.50			
MDCA5030-1R5M	1.50				25.0
MDCA5030-2R2M		5.50		25.0	35.0
MDCA5030-3R3M		5.00			
MDCA5030-3R6M					54.0
MDCA5030-4R7M				50.0	53.0
MDCA5030-5R6M	5.60	4.25	4.50	55.0	
MDCA5030-6R8M					



	( $\mu\text{H}$ )	(A)	Satura on (A)	(m )	(m )
MDCA5030-100M		2.75	3.50		
MDCA5030-150M	15.0			165	
MDCA5030-180M				195	
MDCA5030-220M					250
MDCA5030-330M					

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:

