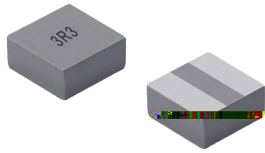




SPM Series

SMT Power Metal Inductor

Size 3012

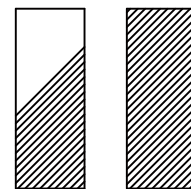
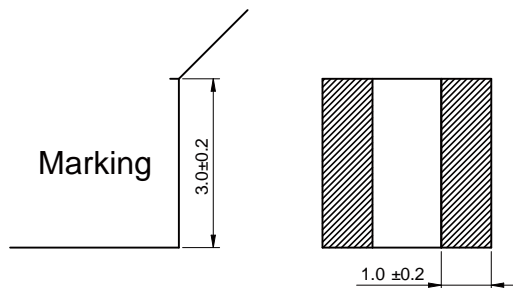


FEATURES

- Large current, Low DC-resistance, High efficiency by magnetic metal powder
- Low acoustic noise and low leakage flux noise by shielded construction
- AEC-Q200 qualified
- Operating temperature: -40°C ~ 125°C
- Quantity: 1000 pcs/reel

Dimensions: [mm]

Land Pattern: [mm]



Electrical Properties:

Part No	Inductance (μH)	Tolerance	Temperature Rise Current Max. (A)	Saturation Current Max. (A)	DCR Max. (mΩ)	DCR Typ. (mΩ)
		30%	3.4			
SPM3012-R47N	0.47	30%		9.4	26.4	
		30%			34.8	
		30%			43.2	
		20%				42.1
		20%				
		20%		4.7		
		20%		4.6		
		20%				
SPM3012-4R7M	4.7	20%				
		20%				
		20%		2.4	423.4	

Inductance is measured at 100kHz, 1V

Temperature rise current: the actual value of DC current when the temperature rise is +T40C

Saturation Current that will cause initial inductance to drop approximately 20%



Typical Electrical Characteristics:

