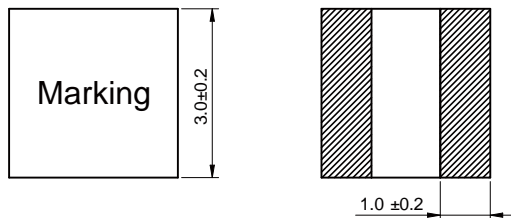


SMT Power Metal Inductor Size 3010

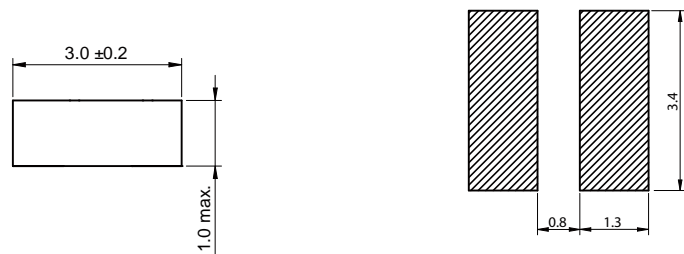


- Large current, Low DC-resistance, High efficiency by magnetic metal powder
- Low acoustic noise and low leakage flux noise by shielded construction
- Operating temperature: -40°C ~ 125°C
- Quantity: 1000 pcs/reel

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)
SPM3010-1R0M	1.0	20%		4.4		43
SPM3010-2R2M		20%	1.3	3.4		150
SPM3010-3R3M	3.3	20%				232
SPM3010-4R7M	4.7	20%	0.9		417	362
SPM3010-6R8M		20%	0.75		645	560
SPM3010-100M	10	20%	0.70			

Inductance is measured at 100kHz, 1V

Temperature rise current: the actual value of DC current when the temperature rise is $\leq 40^{\circ}\text{C}$

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

Typical Electrical Characteristics:

