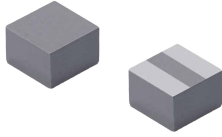


SPM Series

SMT Power Metal Inductor

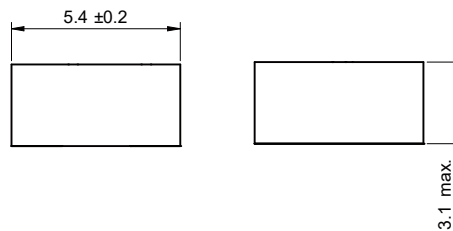
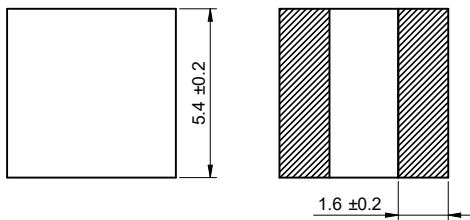
Size 5030



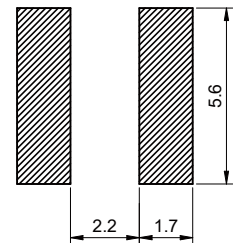
FEATURES

- Large current, Low DC-resistance, High efficiency by magnetic metal powder
- Low acoustic noise and low leakage flux noise by shielded construction
- Halogen Free, 100% Lead(Pb) Free RoHS compliant.
- 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)
SPM5030-1R0M	1.0	± 20%	8.7	7.9	11.5	10.0
SPM5030-2R2M	2.2	± 20%	7.0	7.2	15.9	13.8
SPM5030-3R3M	3.3	± 20%	5.9	6.0	22.7	19.7
SPM5030-4R7M	4.7	± 20%	4.9	4.6	36.9	32.1
SPM5030-8R2M	8.2	± 20%	3.9	4.0	67.0	58.2

Inductance is measured at 100kHz, 1V

Temperature rise current: the actual value of DC current when the temperature rise is ΔT40 °C

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

Typical Electrical Characteristics:

