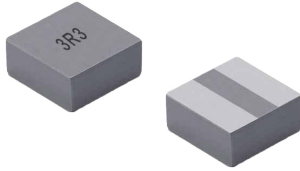


SPM Series
SMT Power Metal Inductor
Size 5020

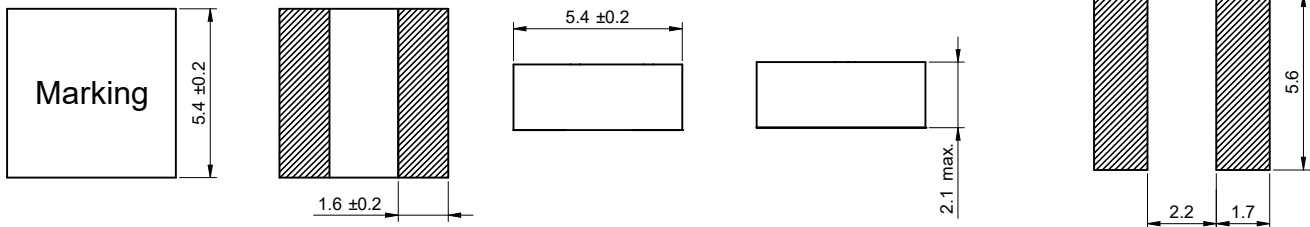


FEATURES

- 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)
SPM5020-R82M	0.82	± 20%	8.8	11.0	9.6	8.3
SPM5020-1R0M	1.0	± 20%	7.8	10.0	13.1	11.4
SPM5020-1R5M	1.5	± 20%	6.7	9.5	21.3	18.4
SPM5020-2R2M	2.2	± 20%	6.0	9.0	27.3	23.7
SPM5020-3R3M	3.3	± 20%	5.0	7.0	38.4	33.4
SPM5020-4R7M	4.7	± 20%	4.1	5.5	63.0	54.8

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:

