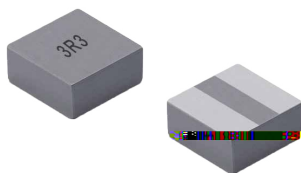


# SPM Series

## SMT Power Metal Inductor

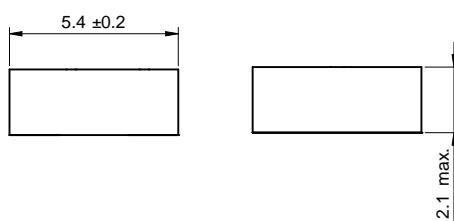
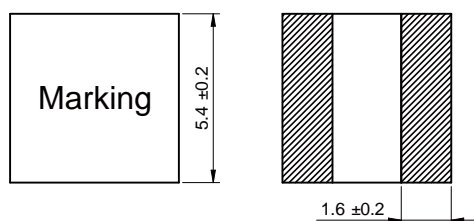
### Size 5020



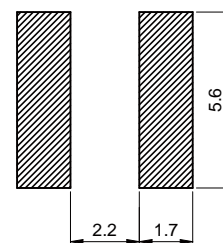
#### FEATURES

- 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:

	( $\mu$ H)		(A)	Saturation (A)	(m $\Omega$ )	(m $\Omega$ )
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  $\leq 40^{\circ}\text{C}$

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

## Typical Electrical Characteristics:

