SPM Series

SMT Power Metal Inductor

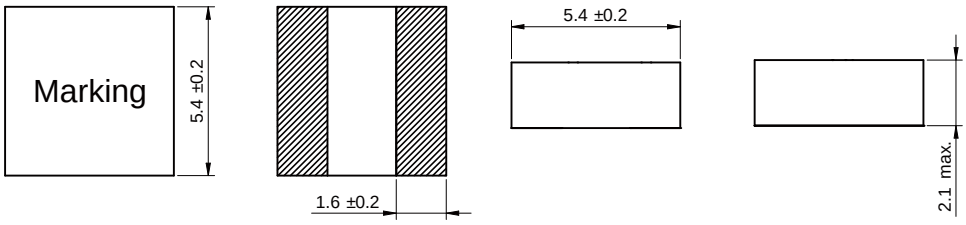
Size 5020



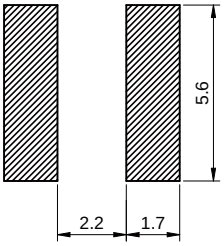
FEATURES

- Large current,Low DC-resistance,High e ciency by magne c metal powder
- Low acous c noise and low leakage flux noise by shielded construc on
- Halogen Free,100% Lead(Pb) Free RoHS compliant.
- Opera ng temperature: -40℃~125℃
- Quan ty: 1000 pcs/reel

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance	Tolerance	Temperature Rise Current Max.	Current Max.	DCR Max.	DCR Typ.
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 mesured at 100kHz,1V

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

Satura on Current that will cause ini al inductance to drop approximately 20%

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Typical Electrical Characteristics:

