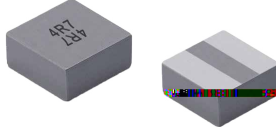


SPM Series

SMT Power Metal Inductor

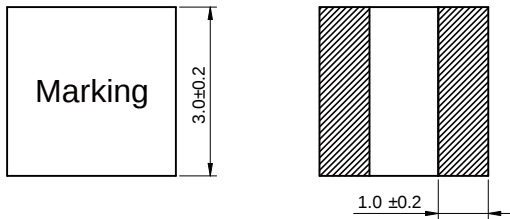
Size 3006



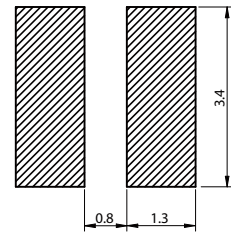
FEATURES

- Large current, Low DC-resistance, High efficiency by magnetic metal powder
- Low acoustic noise and low leakage flux noise by shielded construction
- Operating temperature: $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$
- 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)
SPM3006-2R2M	2.2	± 20%	1.10	2.1	306	266
SPM3006-3R3M	3.3	± 20%	0.90	1.9	440	385
SPM3006-4R7M	4.7	± 20%	0.69	1.7	715	621

Inductance is measured at 100kHz, 1V

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

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

Typical Electrical Characteristics:

