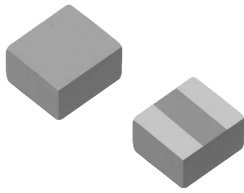


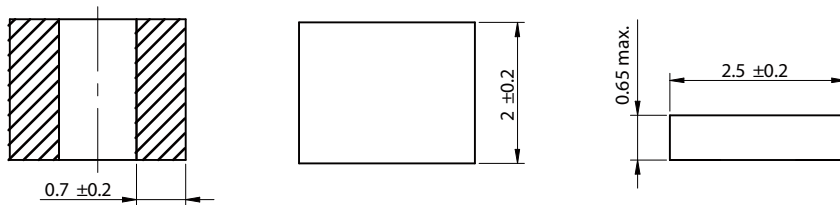
SPM Series
SMT Power Metal Inductor
Size 2506



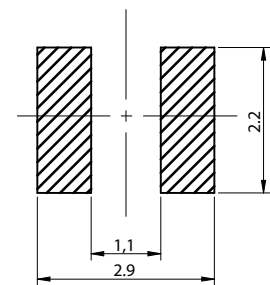
CHARACTERISTICS

- 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: 3000 pcs/reel
- AEC-Q200 qualified

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)
SPM2506-R47N	0.47	± 30%	1.6	4.9	95	76
SPM2506-1R0N	1.0	± 30%	1.1	3.5	196	163
SPM2506-2R2N	2.2	± 30%	0.8	2.1	377	328

Inductance is measured at 1MHz.

Temperature rise current: the actual value of DC current when the temperature rise is $\Delta T40^{\circ}\text{C}$

Saturation Current that will cause initial inductance to drop approximately 30%

Typical Electrical Characteristics:

