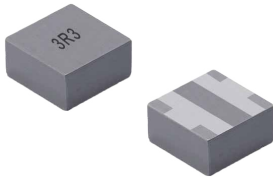


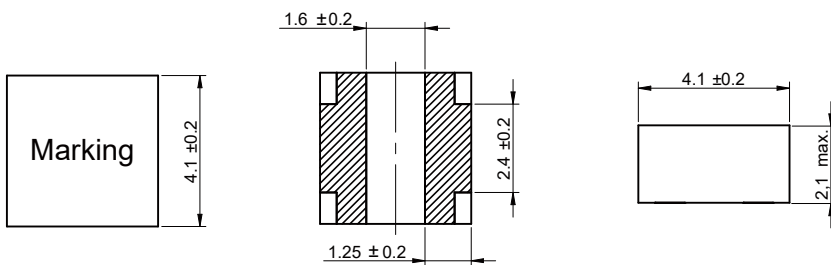
SPM Series
SMT Power Metal Inductor
Size 4020



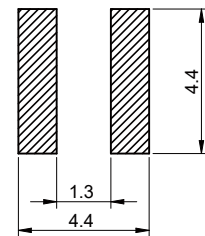
FEATURES

- Large current, Low DC-resistance, High efficiency by magnetic metal powder
- Low acoustic noise and low leakage flux noise by shielded construction
- Operating temperature: $-40\text{ }^{\circ}\text{C} \sim 125\text{ }^{\circ}\text{C}$
- 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)
SPM4020-R22N	0.22	± 30%	9.00	13.10	7.5	5.5
SPM4020-R33N	0.33	± 30%	8.90	10.30	8.0	6.0
SPM4020-R56N	0.56	± 30%	7.90	9.00	9.0	7.0
SPM4020-1R0M	1.0	± 20%	6.70	7.30	16	13
SPM4020-1R5M	1.5	± 20%	5.40	6.30	21	17
SPM4020-2R2M	2.2	± 20%	4.20	5.40	35	29
SPM4020-3R3M	3.3	± 20%	3.30	4.40	48	40
SPM4020-4R7M	4.7	± 20%	2.90	4.00	76	63
SPM4020-5R6M	5.6	± 20%	2.80	3.40	81	68
SPM4020-6R8M	6.8	± 20%	2.30	3.20	116	97
SPM4020-100M	10	± 20%	1.80	2.70	193	161

Inductance is measured at 100kHz.

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

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

Typical Electrical Characteristics:

