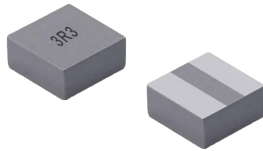


**SPM Series**  
**SMT Power Metal Inductor**  
**Size 3015**

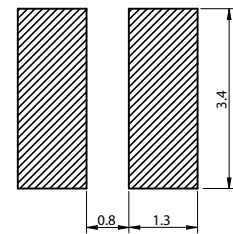
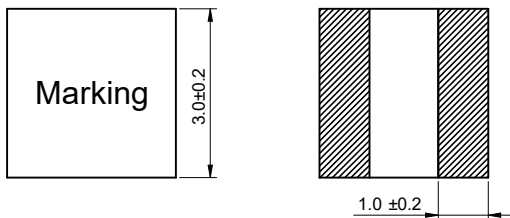


**FEATURES**

- Large current, Low DC-resistance, High efficiency by magnetic metal powder
- Low acoustic noise and low leakage flux noise by shielded construction
- AEC-Q200 qualified
- Operating temperature: -40 °C ~125 °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)
SPM3015-R47N	0.47	± 30%	3.70	6.00	24	20
SPM3015-R68N	0.68	± 30%	3.40	5.00	32	26
SPM3015-1R0M	1.0	± 30%	2.70	4.40	47	39
SPM3015-2R2M	2.2	± 30%	1.80	3.00	108	94
SPM3015-3R3M	3.3	± 20%	1.70	2.90	131	114
SPM3015-4R7M	4.7	± 20%	1.50	2.70	162	141
SPM3015-6R8M	6.8	± 20%	1.10	2.30	287	250
SPM3015-100M	10	± 20%	0.80	2.00	513	446
SPM3015-150M	15	± 20%	0.65	1.71	830	720
SPM3015-220M	22	± 20%	0.59	1.62	1040	940
SPM3015-330M	33	± 20%	0.52	1.26	1330	1210
SPM3015-470M	47	± 20%	0.39	1.17	2300	2090

Inductance is measured at 100kHz, 1V

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

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

Typical Electrical Characteristics:

