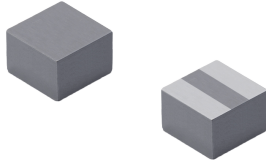


**SPM Series**  
**SMT Power Metal Inductor**  
**Size 1610**

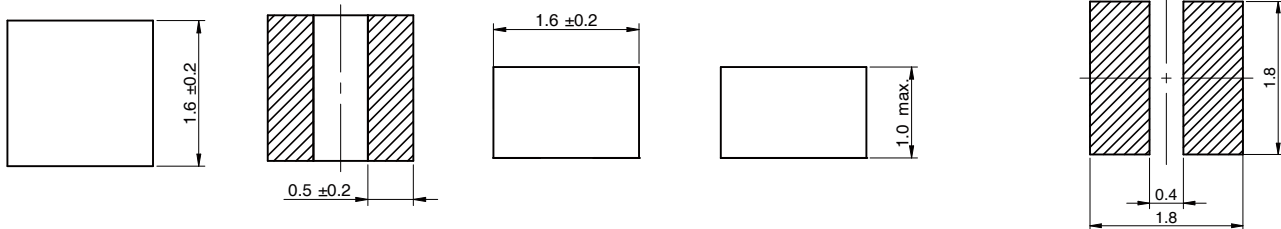


**CHARACTERISTICS**

- 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 °C ~125 °C
- Quantity: 3000 pcs/reel
- AEC-Q200 Compliant

**Dimensions: [mm]**

**Land Pattern: [mm]**



**Electrical Properties:**

Part No	Inductance (μH)	Tolerance	Temperature Rise Current Typ. (A)	Saturation Current Typ. (A)	DCR Max. (mΩ)	DCR Typ. (mΩ)
SPM1610-R33N	0.33	± 30%	1.90	4.20	84	65
SPM1610-R47N	0.47	± 30%	1.70	3.90	101	77
SPM1610-R56N	0.56	± 30%	1.65	3.50	113	90
SPM1610-R68N	0.68	± 30%	1.55	3.30	126	101
SPM1610-R82N	0.82	± 30%	1.45	2.90	144	115
SPM1610-1R0N	1.0	± 30%	1.40	2.70	159	127
SPM1610-1R2N	1.2	± 30%	1.30	2.60	174	140
SPM1610-1R5N	1.5	± 30%	1.10	2.40	237	189
SPM1610-2R2N	2.2	± 30%	0.90	2.00	388	337

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:

