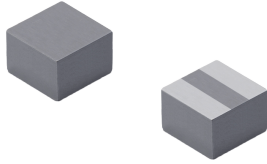


SPM Series

SMT Power Metal Inductor

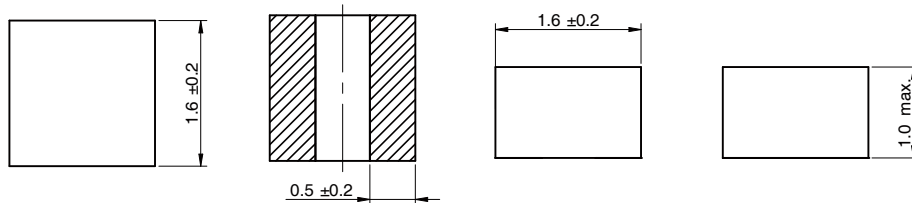
Size 1610



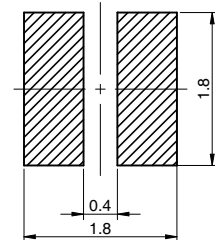
CHARACTERISTICS

- Large current, Low DC-resistance, High efficiency by magnetic metal powder
- Low acoustic noise and low leakage flux noise by shielded construction
- Operating temperature: $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$
- Quantity: 3000 pcs/reel
- AEC-Q200 Compliant

Dimensions: [mm]



Land Pattern: [mm]



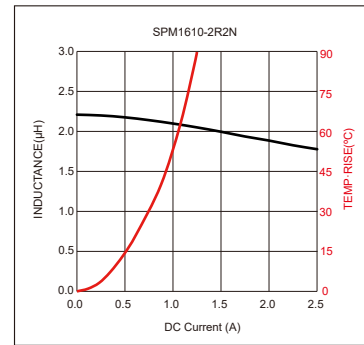
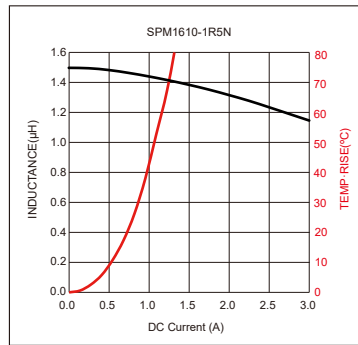
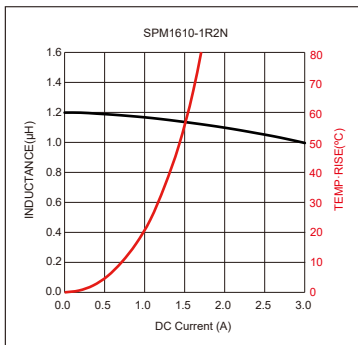
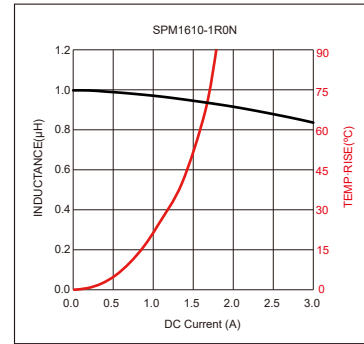
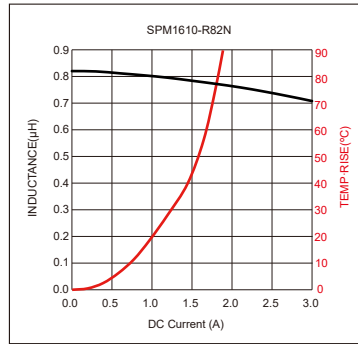
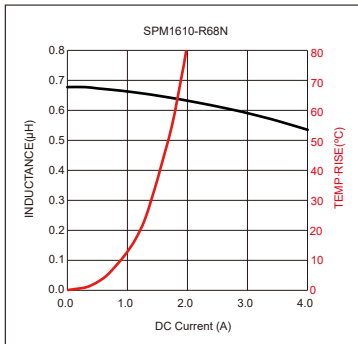
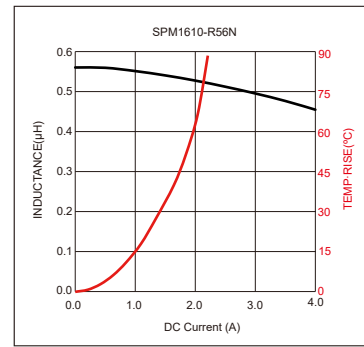
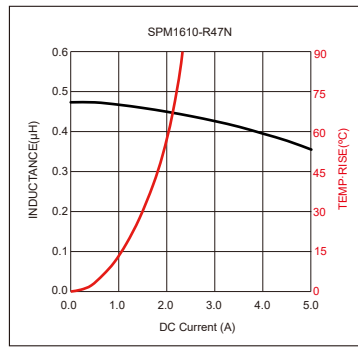
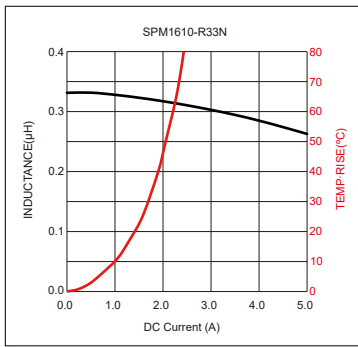
Electrical Properties:

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

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:



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