

SPM Series
SMT Power Metal Inductor
Size 3010

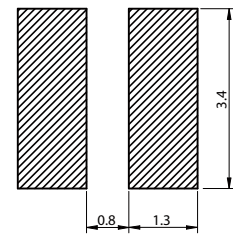
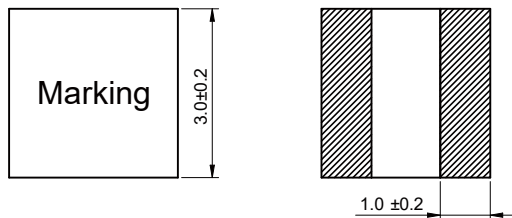


FEATURES

- 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 °C ~125 °C
- Quantity: 1000 pcs/reel

Dimensions: [mm]

Land Pattern: [mm]



Electrical Properties:

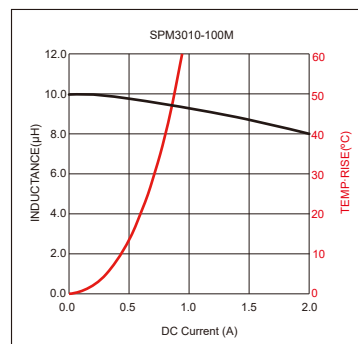
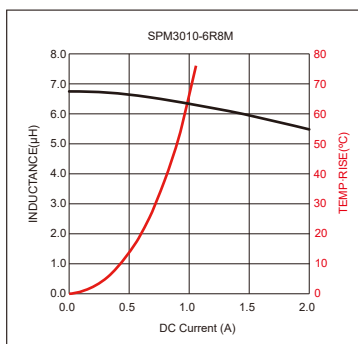
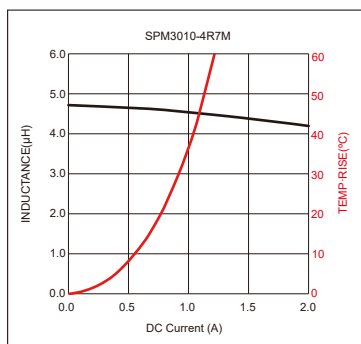
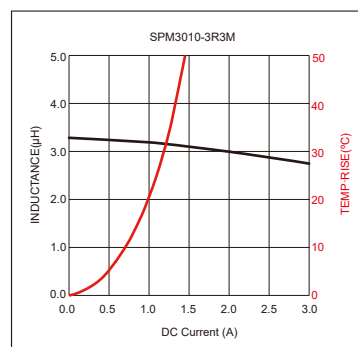
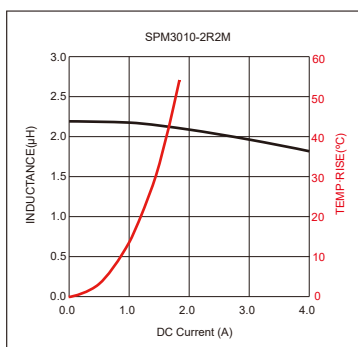
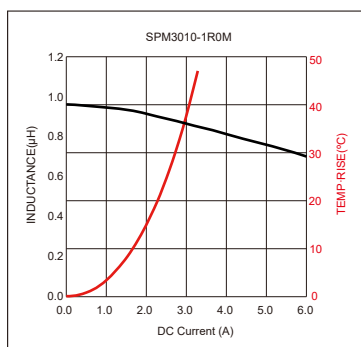
Part No	Inductance (μH)	Tolerance	Temperature Rise Current Max. (A)	Saturation Current Max. (A)	DCR Max. (mΩ)	DCR Typ. (mΩ)
SPM3010-1R0M	1.0	± 20%	2.5	4.4	52	43
SPM3010-2R2M	2.2	± 20%	1.3	3.4	172	150
SPM3010-3R3M	3.3	± 20%	1.1	2.9	266	232
SPM3010-4R7M	4.7	± 20%	0.9	2.1	417	362
SPM3010-6R8M	6.8	± 20%	0.75	1.7	645	560
SPM3010-100M	10	± 20%	0.70	1.6	677	589

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:



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