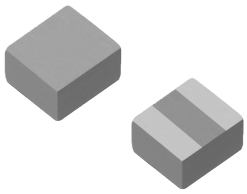
SPM Series

SMT Power Metal Inductor

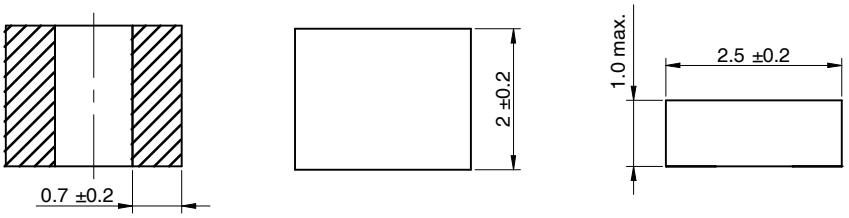
Size 2510



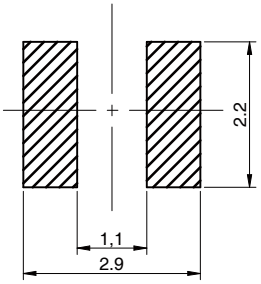
CHARACTERISTICS

- 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℃~125℃
- 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)
SPM2510-R33N	0.33	± 30%	3.40	6.90	38	29
SPM2510-R47N	0.47	± 30%	3.00	6.00	48	37
SPM2510-R68N	0.68	± 30%	2.90	5.30	60	46
SPM2510-R82N	0.82	± 30%	2.60	5.10	69	53
SPM2510-1R0M	1.0	± 20%	2.50	4.70	75	63
SPM2510-1R2M	1.2	± 20%	1.90	3.90	106	82
SPM2510-1R5M	1.5	± 20%	1.80	3.70	110	92
SPM2510-2R2M	2.2	± 20%	1.40	2.70	173	147
SPM2510-3R3M	3.3	± 20%	1.10	2.10	253	220
SPM2510-4R7M	4.7	± 20%	0.90	2.00	388	338
SPM2510-6R8M	6.8	± 20%	0.80	1.70	648	563
SPM2510-8R2M	8.2	± 20%	0.70	1.60	743	646
SPM2510-100M	10	± 20%	0.60	1.40	843	733

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

Saturation Current that will cause initial inductance to drop approximately 30%

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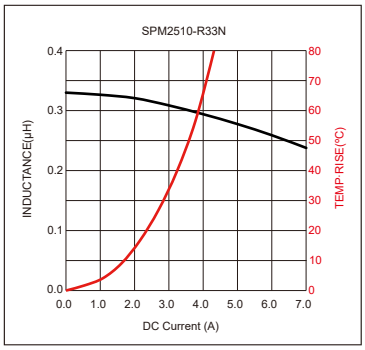
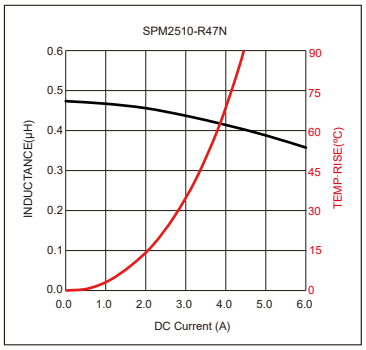
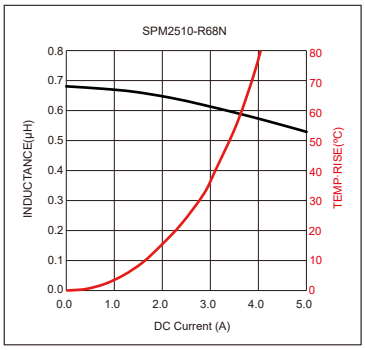
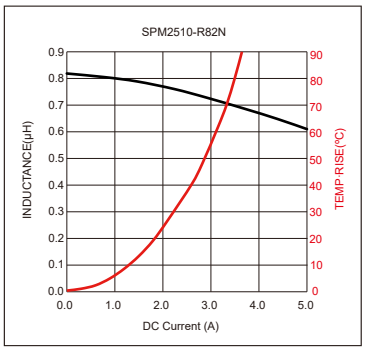
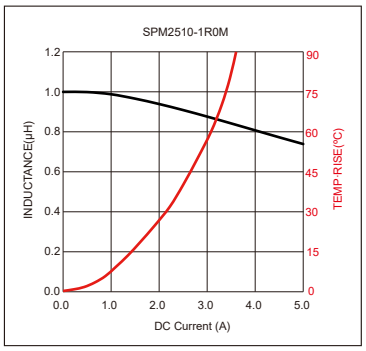
Typical Electrical Characteristics:

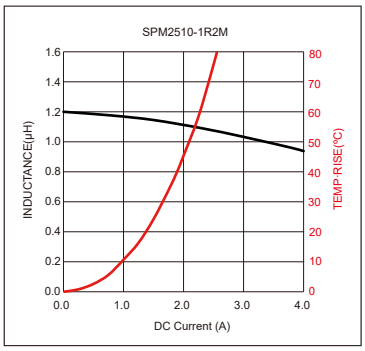


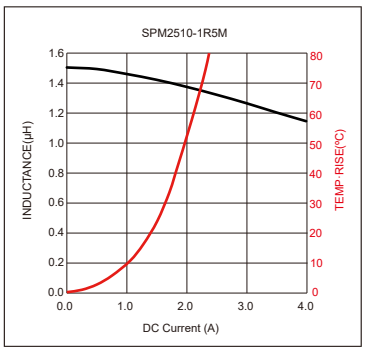


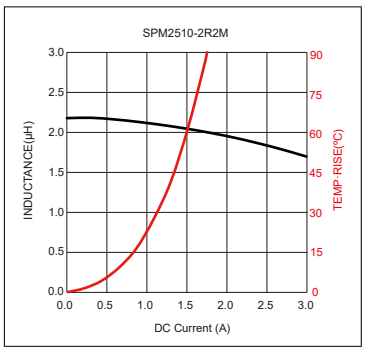


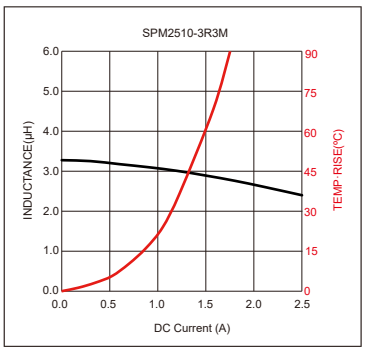


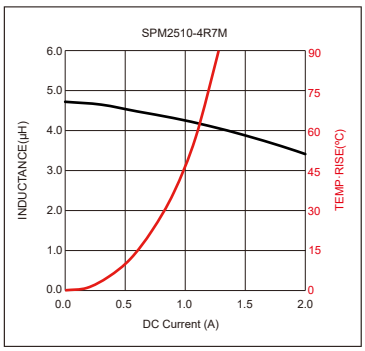


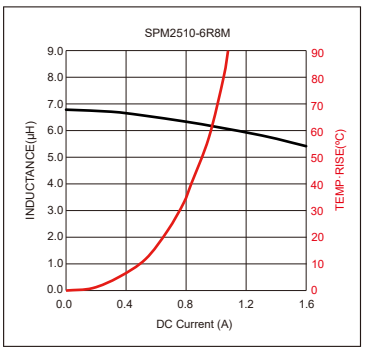


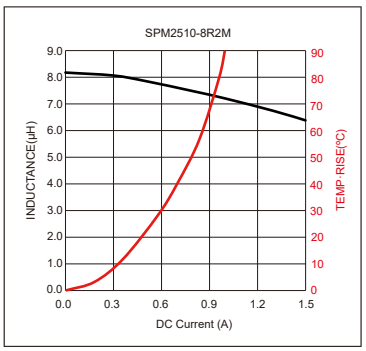


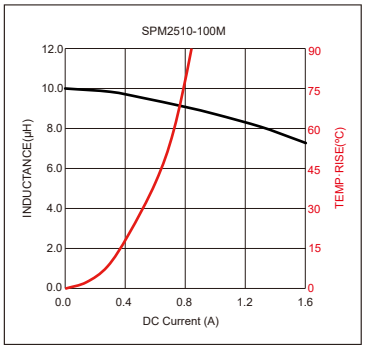












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