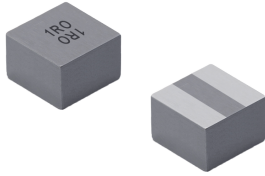


**SPM Series**  
**SMT Power Metal Inductor**  
**Size 3020**

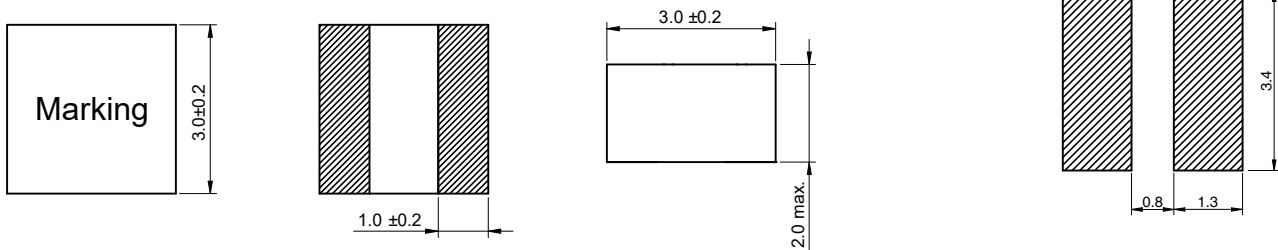


**FEATURES**

- Large current, Low DC-resistance, High efficiency by magnetic metal powder
- Low acoustic noise and low leakage flux noise by shielded construction
- AEC-Q200 Compliant
- Operating temperature: -40 °C ~125 °C
- Quantity: 1000 pcs/reel

**Dimensions: [mm]**

**Land Pattern: [mm]**



**Electrical Properties:**

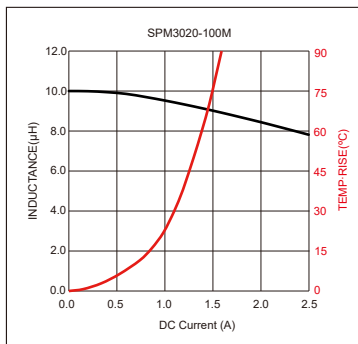
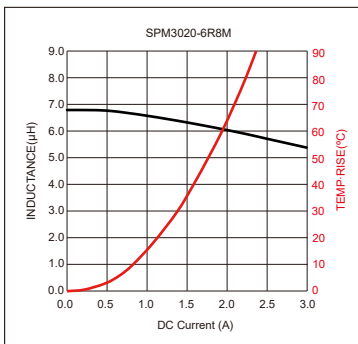
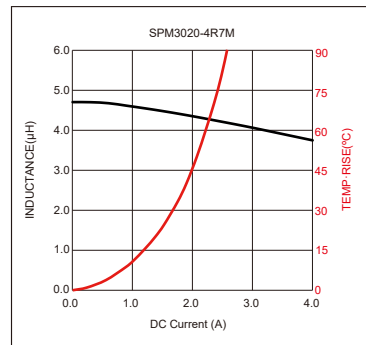
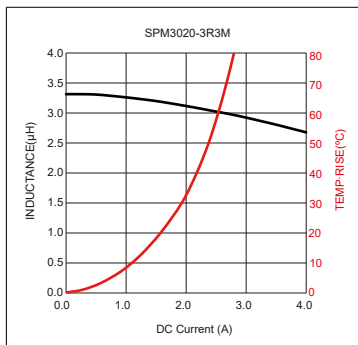
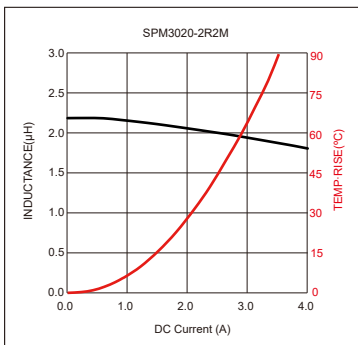
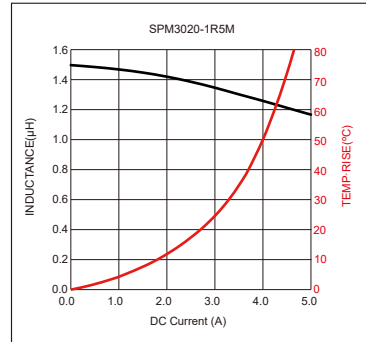
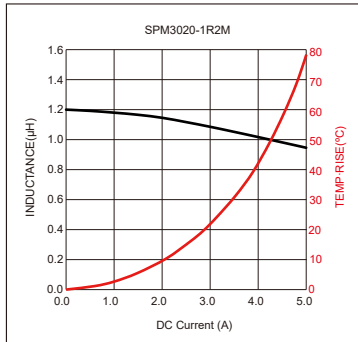
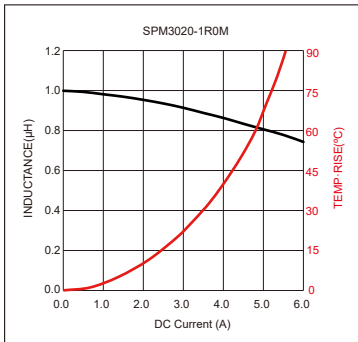
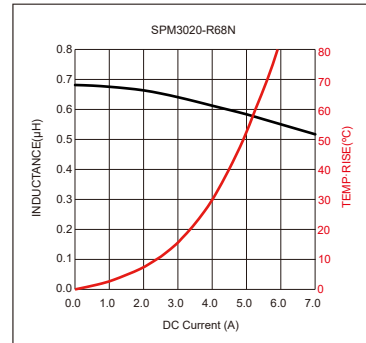
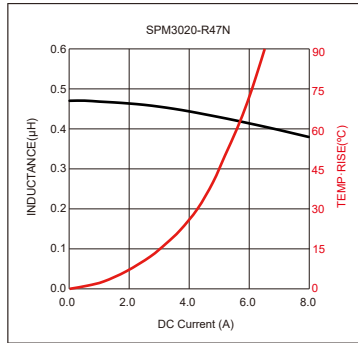
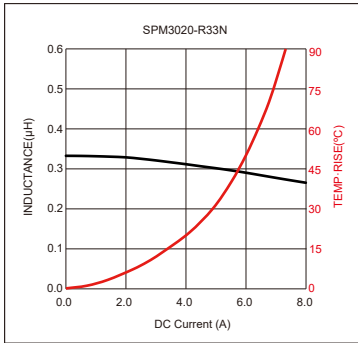
Part No	Inductance (μH)	Tolerance	Temperature Rise Current Typ. (A)	Saturation Current Typ. (A)	DCR Max. (mΩ)	DCR Typ. (mΩ)
SPM3020-R33N	0.33	± 30%	5.5	6.8	17	14
SPM3020-R47N	0.47	± 30%	4.8	6.2	22	18
SPM3020-R68N	0.68	± 30%	4.5	5.2	27	22
SPM3020-1R0M	1.0	± 20%	4.0	4.2	32	26
SPM3020-1R2M	1.2	± 20%	3.9	4.0	36	30
SPM3020-1R5M	1.5	± 20%	3.7	3.9	39	33
SPM3020-2R2M	2.2	± 20%	2.4	3.6	80	67
SPM3020-3R3M	3.3	± 20%	2.2	3.4	114	99
SPM3020-4R7M	4.7	± 20%	1.9	3.0	158	137
SPM3020-6R8M	6.8	± 20%	1.6	2.3	193	168
SPM3020-100M	10	± 20%	1.2	2.0	322	280

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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[1812LS-824XJ](#) [NIN-FB101JTR110F](#) [NIN-FB471JTR62F](#) [NIN-FC1R5JTR220F](#) [NIN-HCR15JTRF](#) [NIN-HCR33JTRF](#) [NIN-HDR22JTRF](#)