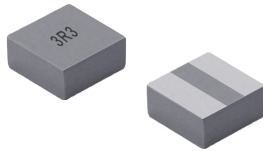


SPM Series
SMT Power Metal Inductor
Size 3015

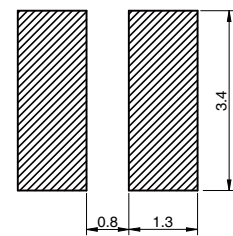
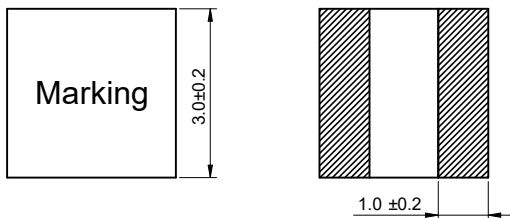


FEATURES

- 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:

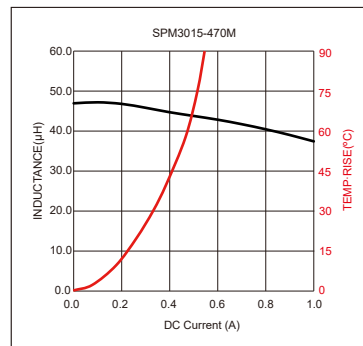
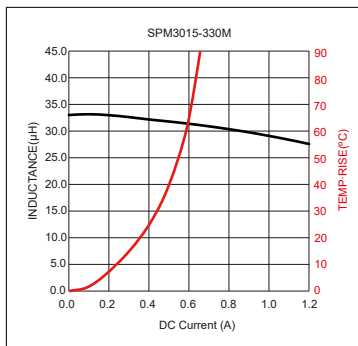
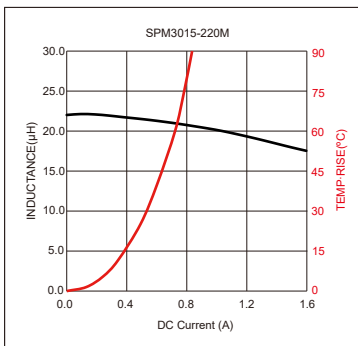
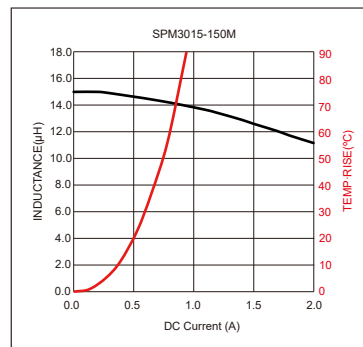
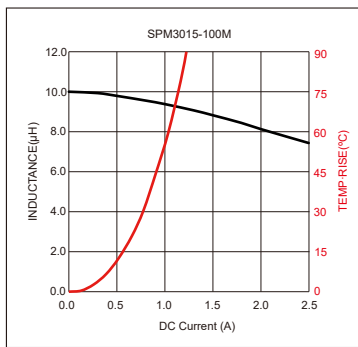
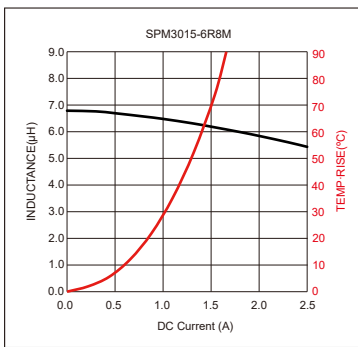
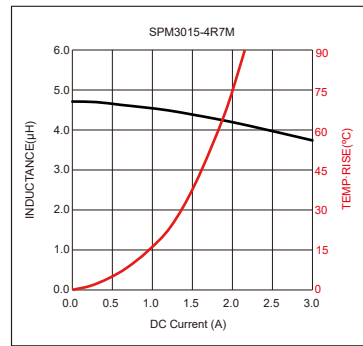
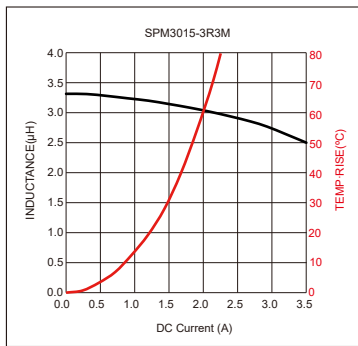
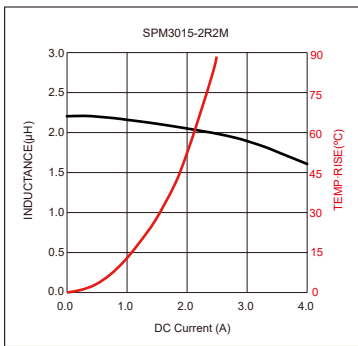
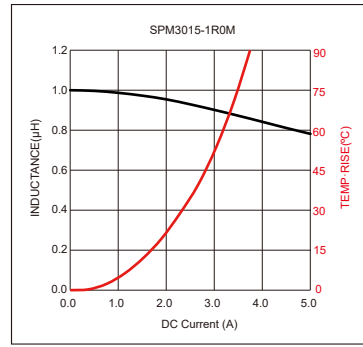
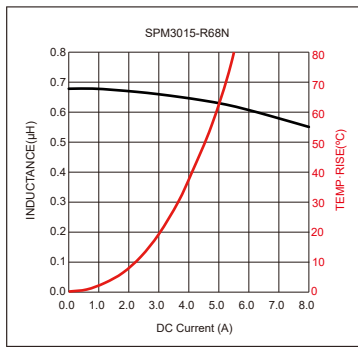
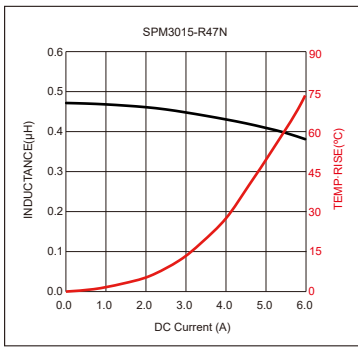
Part No	Inductance (μH)	Tolerance	Temperature Rise Current Typ. (A)	Saturation Current Typ. (A)	DCR Max. (mΩ)	DCR Typ. (mΩ)
SPM3015-R47N	0.47	± 30%	3.70	6.00	24	20
SPM3015-R68N	0.68	± 30%	3.40	5.00	32	26
SPM3015-1R0M	1.0	± 30%	2.70	4.40	47	39
SPM3015-2R2M	2.2	± 30%	1.80	3.00	108	94
SPM3015-3R3M	3.3	± 20%	1.70	2.90	131	114
SPM3015-4R7M	4.7	± 20%	1.50	2.70	162	141
SPM3015-6R8M	6.8	± 20%	1.10	2.30	287	250
SPM3015-100M	10	± 20%	0.80	2.00	513	446
SPM3015-150M	15	± 20%	0.65	1.71	830	720
SPM3015-220M	22	± 20%	0.59	1.62	1040	940
SPM3015-330M	33	± 20%	0.52	1.26	1330	1210
SPM3015-470M	47	± 20%	0.39	1.17	2300	2090

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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[MHQ1005P5N1S](#) [MHQ1005P8N2J](#) [PE-53601NL](#) [PE-53602NL](#) [PG0936.113NLT](#) [9220-20](#) [9310-16](#) [PM06-2N7](#) [PM06-39NJ](#) [A01TK](#)
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[RCR110DNP-331L](#) [DH2280-4R7M](#) [DS1608C-106](#) [B10TJ](#) [B82498B3101J000](#) [ELJ-RE27NJF2](#) [1812CS-153XJ](#) [1812CS-183XJ](#) [1812CS-](#)
[223XJ](#) [1812LS-104XJ](#) [1812LS-105XJ](#) [1812LS-124XJ](#) [1812LS-154XJ](#) [1812LS-223XJ](#) [1812LS-224XJ](#) [1812LS-563XJ](#) [1812LS-683XJ](#)
[1812LS-824XJ](#) [NIN-FB101JTR110F](#) [NIN-FB471JTR62F](#) [NIN-FC1R5JTR220F](#) [NIN-HCR15JTRF](#) [NIN-HCR33JTRF](#) [NIN-HDR22JTRF](#)