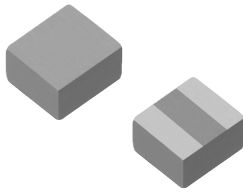


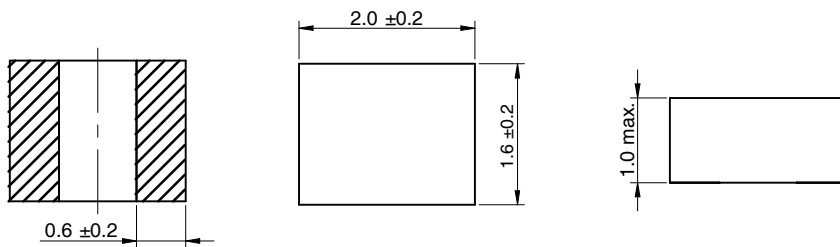
**SPM Series**  
**SMT Power Metal Inductor**  
**Size 2010**



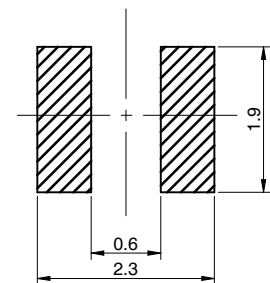
**CHARACTERISTICS**

- 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 °C ~125 °C
- Quantity: 3000 pcs/reel
- AEC-Q200 Compliant

**Dimensions: [mm]**



**Land Pattern: [mm]**

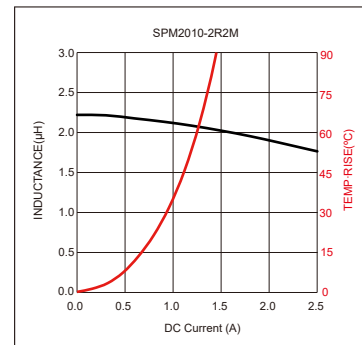
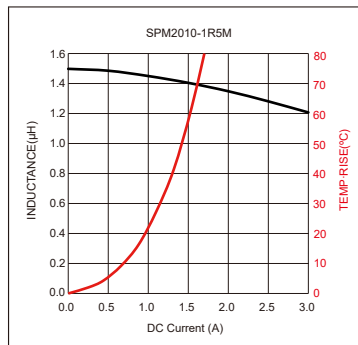
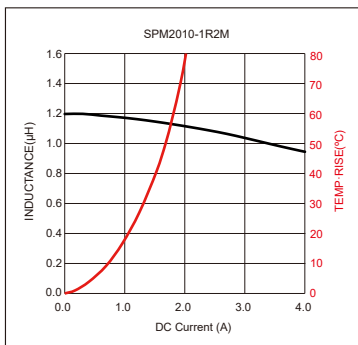
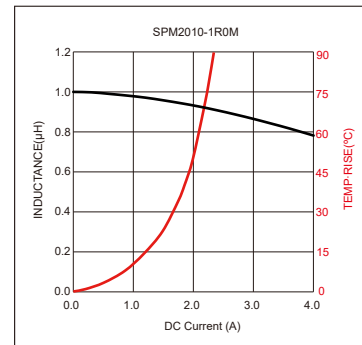
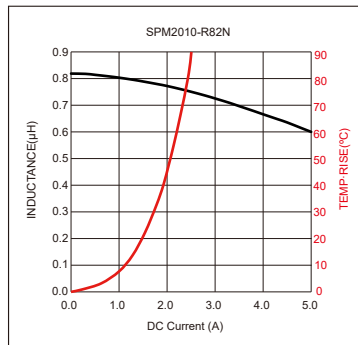
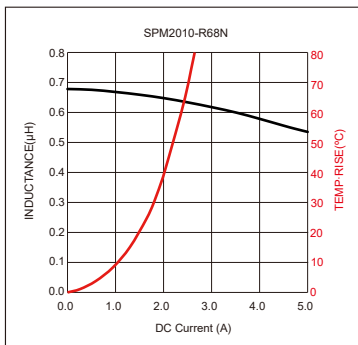
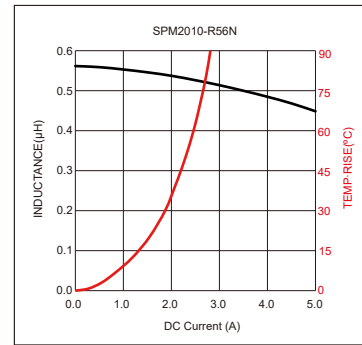
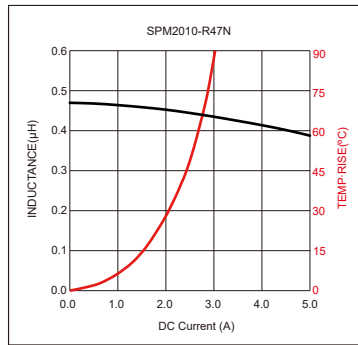
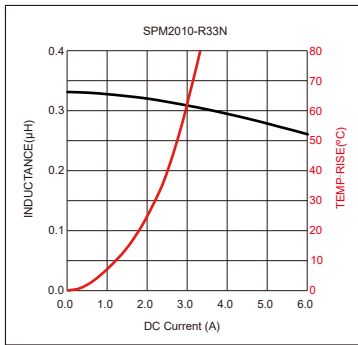


**Electrical Properties:**

Part No	Inductance (μH)	Tolerance	Temperature Rise Current Typ. (A)	Saturation Current Typ. (A)	DCR Max. (mΩ)	DCR Typ. (mΩ)
SPM2010-R33N	0.33	± 30%	2.50	4.50	53	40
SPM2010-R47N	0.47	± 30%	2.30	4.40	63	49
SPM2010-R56N	0.56	± 30%	2.10	4.10	73	56
SPM2010-R68N	0.68	± 30%	2.00	4.00	84	65
SPM2010-R82N	0.82	± 30%	1.90	3.30	92	71
SPM2010-1R0M	1.0	± 20%	1.80	3.20	104	86
SPM2010-1R2M	1.2	± 20%	1.50	2.90	136	114
SPM2010-1R5M	1.5	± 20%	1.30	2.50	180	150
SPM2010-2R2M	2.2	± 20%	1.10	1.90	270	225

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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[HCR15JTRF](#) [NIN-HCR33JTRF](#) [NIN-HDR22JTRF](#) [NIN-HDR82JTRF](#) [NIN-HK2N7STRF](#) [NIN-PA150KTR370F](#) [NIN-PB100KTR550F](#)