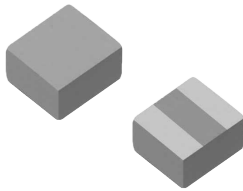


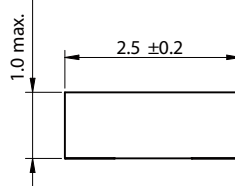
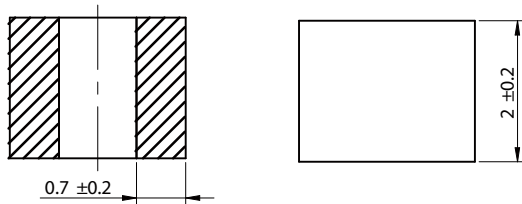
**SPM Series**  
**SMT Power Metal Inductor**  
**Size 2510**



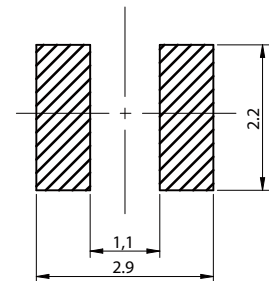
**CHARACTERISTICS**

- Large current, Low DC-resistance, High efficiency by magnetic metal powder
- Low acoustic noise and low leakage flux noise by shielded construction
- Operating temperature:  $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$
- Quantity: 3000 pcs/reel
- AEC-Q200 qualified

**Dimensions: [mm]**



**Land Pattern: [mm]**

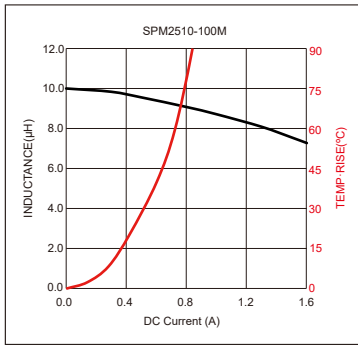
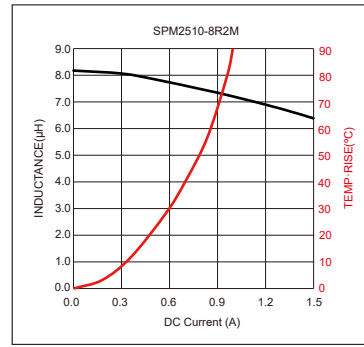
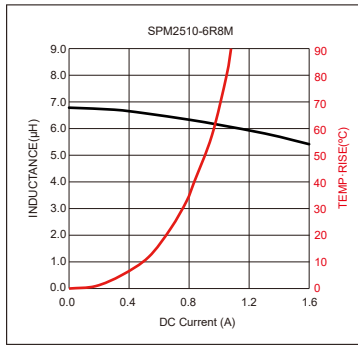
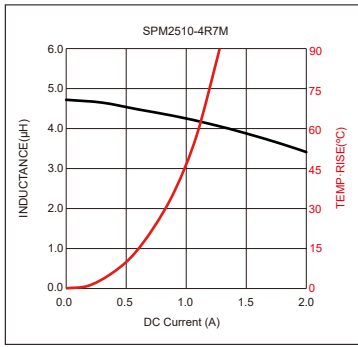
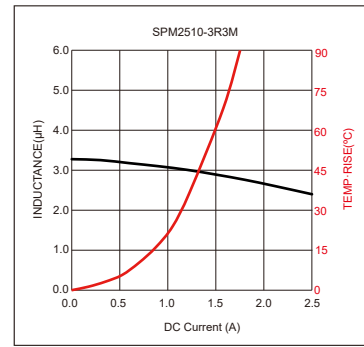
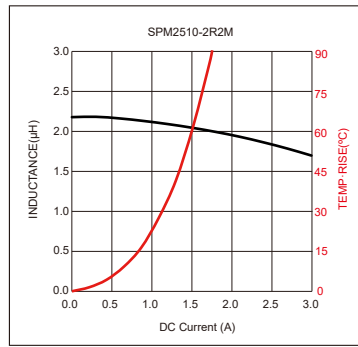
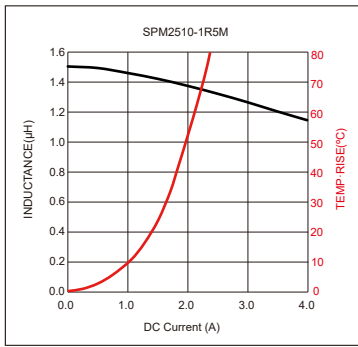
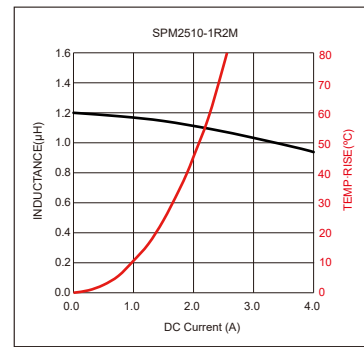
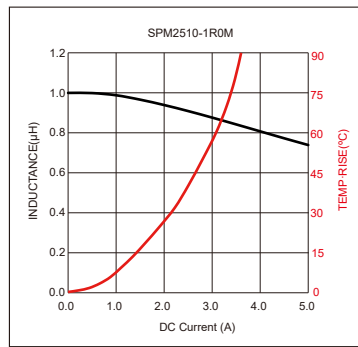
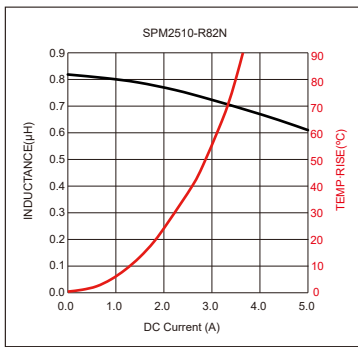
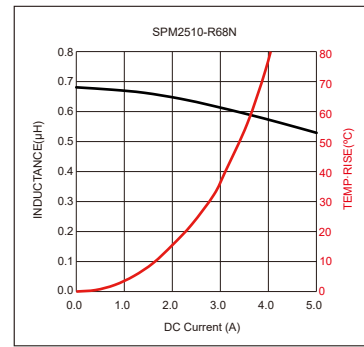
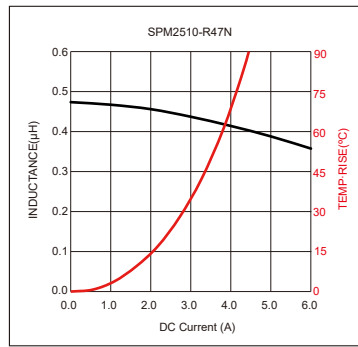
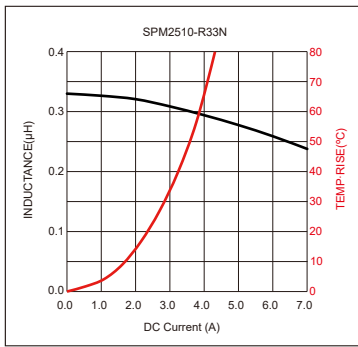


**Electrical Properties:**

Part No	Inductance (μH)	Tolerance	Temperature Rise Current Max. (A)	Saturation Current Max. (A)	DCR Max. (mΩ)	DCR Typ. (mΩ)
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  $\Delta T40^{\circ}\text{C}$   
 Saturation Current that will cause initial inductance to drop approximately 30%

Typical Electrical Characteristics:



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Fixed Inductors](#) category:*

*Click to view products by [KOHER](#) manufacturer:*

Other Similar products are found below :

[CR32NP-100KC](#) [CR54NP-470LC](#) [70F224AI](#) [MGDQ4-00004-P](#) [MHQ1005P10NJ](#) [MHQ1005P1N0S](#) [MHQ1005P2N4S](#) [MHQ1005P3N6S](#)  
[MHQ1005P5N1S](#) [MHQ1005P8N2J](#) [PE-53601NL](#) [PE-53602NL](#) [PG0936.113NLT](#) [9220-20](#) [9310-16](#) [PM06-2N7](#) [PM06-39NJ](#) [A01TK](#)  
[1206CS-471XJ](#) [HC2-R47-R](#) [HC8-1R2-R](#) [HCF1305-3R3-R](#) [1206CS-151XG](#) [RCH664NP-140L](#) [RCH664NP-4R7M](#) [RCP1317NP-391L](#)  
[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](#)