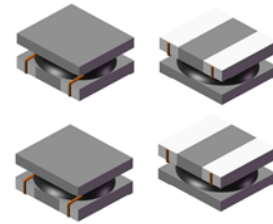


SNR2010&2510&2512 SERIES

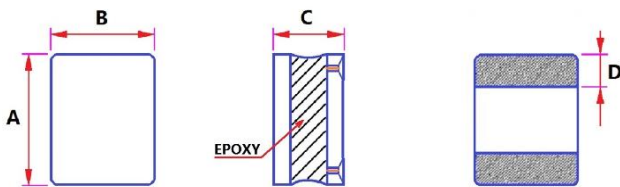
SHIELDED SMT POWER INDUCTORS

Applications :

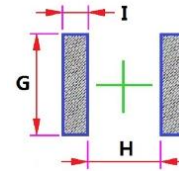
- . For small DC/DC converter(cellular phone, HDD, DVC, DSC, PDA, LCD display etc).



Shape and Dimensions (Dimensions are in mm) :



Item	A	B	C Max.	D
SNR2010	2.1+0.3-0.1	1.7+0.3-0.1	1.05	0.7
SNR2510	2.5+0.3-0.1	2.0+0.35-0.05	1.05	0.8
SNR2512	2.5+0.3-0.1	2.0+0.35-0.05	1.25	0.8



Item	G	H	I
SNR2010	2.00	0.40	1.00
SNR2510	2.40	0.65	1.25
SNR2512	2.47	0.70	1.10

Features :

- . Realizes small size and low profile designed.
- . It corresponds to high current.
- . Magnetically shielded construction with magnetic Resin.
- . Durable structure against dropping impact.
- . RoHS compliant.

Product Identification :

SNR 2510 - 100 M

(1) (2) (3) (4)

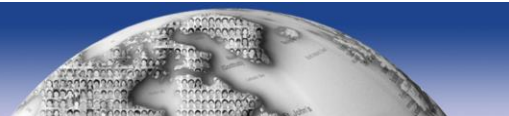
- (1) Type: Product type.
- (2) Style: L=2.5mm H=1.05mm.
- (3) Inductance: 100 for 10 uH.
- (4) Inductance tolerance : M:±20%; N:±30%

Characteristics :

- . Saturation current (Isat) : The current when the Inductance become 35% lower than is initial Value.(Ta=20°C).
- . Temperature rise current (Irms) : The current when Temperature of coil increase up to max. ΔT=40°C.(Ta=20°C)
- . Operating temp: -40°C to 125°C.

Test equipments :

- . L: Agilent 4284A Precision LCR meter.
- . L Load: Agilent 4284A with HP42841A current source.
- . DCR: Milli-ohm meter.
- . Electrical specifications at 25°C.



● **SNR2010/2510/2512 series**

Part No.	Inductance L (uH)	Tolerance (±%)	Test. Freq. (0.1V)	DCR (mΩ) Max	I sat (A) Max	I rms (A) Max
SNR2010-R47□	0.47	30	1MHz	55	2.70	1.89
SNR2010-R68□	0.68	30	1MHz	84	2.00	1.40
SNR2010-1R0□	1.0	30	1MHz	117	1.80	1.26
SNR2010-1R5□	1.5	30	1MHz	158	1.46	1.02
SNR2010-2R2□	2.2	20, 30	1MHz	176	1.26	0.88
SNR2010-3R3□	3.3	20, 30	1MHz	296	0.90	0.63
SNR2010-4R7□	4.7	20, 30	1MHz	434	0.77	0.54
SNR2010-6R8□	6.8	20, 30	1MHz	622	0.72	0.50
SNR2010-100□	10	20, 30	1MHz	866	0.55	0.39
SNR2010-150□	15	20, 30	1MHz	1682	0.45	0.32
SNR2010-180□	18	20, 30	1MHz	2162	0.40	0.28
SNR2010-220□	22	20, 30	1MHz	2400	0.38	0.27
SNR2510-R47□	0.47	30	1MHz	36	2.57	1.80
SNR2510-R68□	0.68	30	1MHz	49	2.45	1.72
SNR2510-1R0□	1.0	20, 30	1MHz	66	2.05	1.44
SNR2510-1R5□	1.5	20, 30	1MHz	108	1.70	1.19
SNR2510-2R2□	2.2	20, 30	1MHz	145	1.55	1.09
SNR2510-3R3□	3.3	20, 30	1MHz	204	1.10	0.77
SNR2510-4R7□	4.7	20, 30	1MHz	300	0.95	0.67
SNR2510-6R8□	6.8	20, 30	1MHz	444	0.80	0.56
SNR2510-100□	10	20, 30	1MHz	564	0.65	0.46
SNR2510-150□	15	20, 30	1MHz	900	0.45	0.32
SNR2510-220□	22	20, 30	1MHz	1344	0.40	0.28
SNR2512-R24□	0.24	30	1MHz	34	4.05	3.84
SNR2512-R47□	0.47	30	1MHz	44	3.60	2.52
SNR2512-R68□	0.68	30	1MHz	57	2.70	1.89
SNR2512-1R0□	1.0	30	1MHz	66	2.45	1.72
SNR2512-1R5□	1.5	20, 30	1MHz	86	2.05	1.44
SNR2512-2R2□	2.2	20, 30	1MHz	120	1.90	1.33
SNR2512-3R3□	3.3	20, 30	1MHz	160	1.50	1.05
SNR2512-4R7□	4.7	20, 30	1MHz	229	1.35	0.95
SNR2512-6R8□	6.8	20, 30	1MHz	325	1.00	0.70
SNR2512-100□	10	20, 30	1MHz	492	0.75	0.53
SNR2512-150□	15	20, 30	1MHz	648	0.56	0.39
SNR2512-220□	22	20, 30	1MHz	1020	0.50	0.35

* Due to the limited space, the catalogue shows the typical specifications only. For more specific details (characteristics graph, reliability, and others), kindly invite you to access 3L official website www.3lcoil.com for better known.