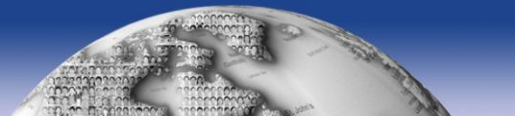


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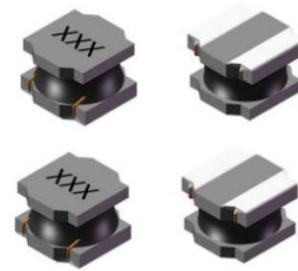


SNR4018&4030&5040 SERIES

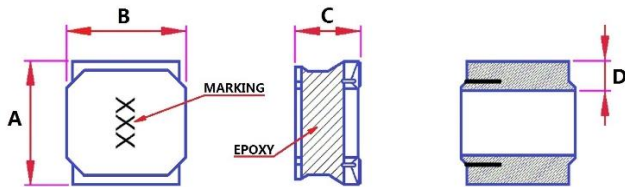
SHIELDED SMT POWER INDUCTORS

Applications :

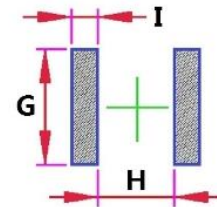
- . For small DC/DC converter(cellular phone, HDD, DVC, DSC, PDA, LCD display etc).



Shape and Dimensions (Dimensions are in mm) :



Item	A ± 0.2	B ± 0.2	C Max.	D
SNR4018	4.0	4.0	1.85	1.20
SNR4030	4.0	4.0	3.00	1.35
SNR5040	5.0	5.0	4.10	1.50



Item	G	H	I
SNR4018	3.80	1.30	1.50
SNR4030	3.70	1.00	1.65
SNR5040	4.30	1.70	1.80

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.

Characteristics :

- . Saturation current (I_{sat}) : The current when the Inductance become 35% lower than is initial Value. ($T_a = 20^\circ\text{C}$).
- . Temperature rise current (I_{rms}) : The current when Temperature of coil increase up to max. $\Delta T = 40^\circ\text{C}$. ($T_a = 20^\circ\text{C}$)
- . Operating temp: -40°C to 125°C .

Product Identification :

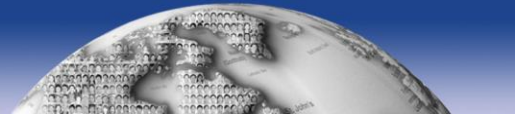
SNR 4018 - 100 M

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

- (1) Type: Product type.
- (2) Style: L=4.0mm H=1.85mm.
- (3) Inductance: 100 for 10 uH.
- (4) Inductance tolerance: M: $\pm 20\%$; N: $\pm 30\%$..

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 .

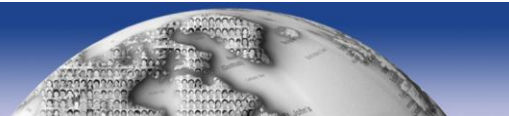


● **SNR4018 series**

Part No.	Inductance L (μ H)	Tolerance ($\pm\%$)	Test. Freq. (0.25V)	DCR (m Ω) $\pm 30\%$	I sat (A) Max.	I rms (A) Max.	Marking
SNR4018-R56□	0.56	30	100KHz	18.5	5.50	3.85	R56
SNR4018-1R0□	1.0	30	100KHz	25	4.50	3.15	1R0
SNR4018-1R2□	1.2	30	100KHz	37	3.50	2.45	1R2
SNR4018-2R2□	2.2	20,30	100KHz	45	2.70	1.89	2R2
SNR4018-3R3□	3.3	20,30	100KHz	66	2.15	1.51	3R3
SNR4018-4R7□	4.7	20,30	100KHz	90	2.00	1.40	4R7
SNR4018-5R6□	5.6	20,30	100KHz	100	1.65	1.16	5R6
SNR4018-6R8□	6.8	20,30	100KHz	110	1.60	1.12	6R8
SNR4018-100□	10	20,30	100KHz	180	1.30	0.91	100
SNR4018-150□	15	20,30	100KHz	250	0.95	0.67	150
SNR4018-220□	22	20,30	100KHz	360	0.80	0.56	220
SNR4018-330□	33	20,30	100KHz	530	0.65	0.46	330
SNR4018-470□	47	20,30	100KHz	650	0.57	0.40	470
SNR4018-680□	68	20,30	100KHz	1000	0.46	0.32	680
SNR4018-101□	100	20,30	100KHz	1500	0.41	0.29	101
SNR4018-151□	150	20,30	100KHz	2400	0.32	0.22	151

● **SNR4030 series**

Part No.	Inductance L (μ H)	Tolerance ($\pm\%$)	Test. Freq. (0.25V)	DCR (m Ω) $\pm 30\%$	I sat (A) Max.	I rms (A) Max.	Marking
SNR4030-1R0□	1.0	30	100KHz	22	5.00	3.50	1R0
SNR4030-1R5□	1.5	20,30	100KHz	32	4.80	3.36	1R5
SNR4030-2R2□	2.2	20,30	100KHz	35	4.50	3.15	2R2
SNR4030-3R3□	3.3	20,30	100KHz	50	3.00	2.10	3R3
SNR4030-4R7□	4.7	20,30	100KHz	60	2.90	2.03	4R7
SNR4030-6R8□	6.8	20,30	100KHz	100	2.20	1.54	6R8
SNR4030-100□	10	20,30	100KHz	120	2.00	1.40	100
SNR4030-150□	15	20,30	100KHz	200	1.70	1.19	150
SNR4030-220□	22	20,30	100KHz	225	1.30	0.91	220
SNR4030-330□	33	20,30	100KHz	360	1.10	0.77	330
SNR4030-470□	47	20,30	100KHz	460	0.98	0.69	470
SNR4030-560□	56	20,30	100KHz	534	0.88	0.62	560
SNR4030-680□	68	20,30	100KHz	836	0.77	0.54	680
SNR4030-101□	100	20,30	100KHz	1110	0.70	0.49	101
SNR4030-151□	150	20,30	100KHz	1400	0.50	0.35	151
SNR4030-221□	220	20,30	100KHz	3500	0.33	0.23	221



● **SNR5040 series**

Part No.	Inductance L (uH)	Tolerance (±%)	Test. Freq. (0.25V)	DCR (mΩ) ±30%	I sat (A) Max.	I rms (A) Max.	Marking
SNR5040-1R0□	1.0	30	100KHz	14	7.35	5.15	1R0
SNR5040-1R5□	1.5	30	100KHz	22	5.00	3.50	1R5
SNR5040-2R2□	2.2	20,30	100KHz	20	4.90	3.43	2R2
SNR5040-3R3□	3.3	20,30	100KHz	26	3.95	2.77	3R3
SNR5040-4R7□	4.7	20,30	100KHz	32	3.50	2.45	4R7
SNR5040-6R8□	6.8	20,30	100KHz	45	2.90	2.03	6R8
SNR5040-100□	10	20,30	100KHz	60	2.30	1.61	100
SNR5040-150□	15	20,30	100KHz	80	2.00	1.40	150
SNR5040-220□	22	20,30	100KHz	130	1.60	1.12	220
SNR5040-270□	27	20,30	100KHz	160	1.40	0.98	270
SNR5040-330□	33	20,30	100KHz	180	1.30	0.91	330
SNR5040-470□	47	20,30	100KHz	310	1.02	0.71	470
SNR5040-560□	56	20,30	100KHz	340	1.00	0.70	560
SNR5040-680□	68	20,30	100KHz	500	0.85	0.60	680
SNR5040-101□	100	20,30	100KHz	560	0.66	0.46	101
SNR5040-221□	220	20,30	100KHz	1800	0.40	0.28	221

* 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.