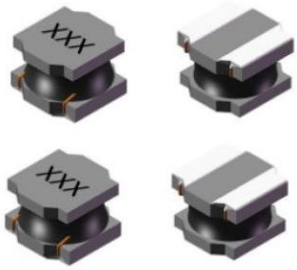
SNR3015 SERIES

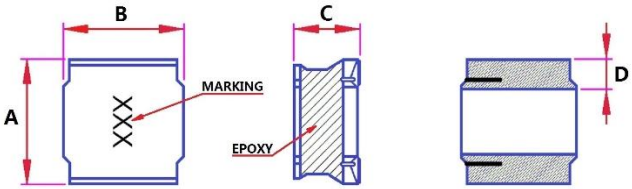
SHIELDED SMT POWER INDUCTORS

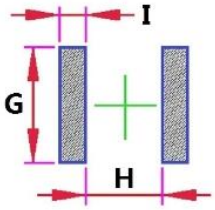


Applications :

. 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
SNR3015	3.0	3.0	1.5	0.9

Item	G	H	I
SNR3015	3.08	0.90	1.20

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 3015 – 100 M

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

(1) Type : Product type.
(2) Style : L=3.0mm H=1.5mm.
(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℃).
. Temperature rise current (Irms) : The current when Temperature of coil increase up to max. △T=40℃.(Ta=20℃)
. Operating temp: -40℃ to 125℃.

Test equipments :

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

● SNR3015 series

Part No.	Inductance L (uH)	Tolerance (±%)	Test. Freq. (0.25V)	DCR (mΩ) ±30%	I sat (A) Max.	I rms (A) Max.	Marking
SNR3015-1R0□	1.0	30	100KHz	30	2.32	1.62	1R0
SNR3015-1R2□	1.2	30	100KHz	40	2.30	1.61	1R2
SNR3015-1R5□	1.5	30	100KHz	50	2.30	1.61	1R5
SNR3015-2R2□	2.2	20, 30	100KHz	60	1.60	1.12	2R2
SNR3015-3R3□	3.3	20, 30	100KHz	80	1.32	0.92	3R3
SNR3015-4R7□	4.7	20, 30	100KHz	125	1.10	0.77	4R7
SNR3015-6R8□	6.8	20, 30	100KHz	200	0.85	0.60	6R
SNR3015-100□	10	20, 30	100KHz	250	0.72	0.50	100
SNR3015-120□	12	20, 30	100KHz	320	0.66	0.46	120
SNR3015-150□	15	20, 30	100KHz	350	0.66	0.46	150
SNR3015-220□	22	20, 30	100KHz	460	0.52	0.36	220
SNR3015-470□	47	20, 30	100KHz	1250	0.32	0.22	470

* 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.