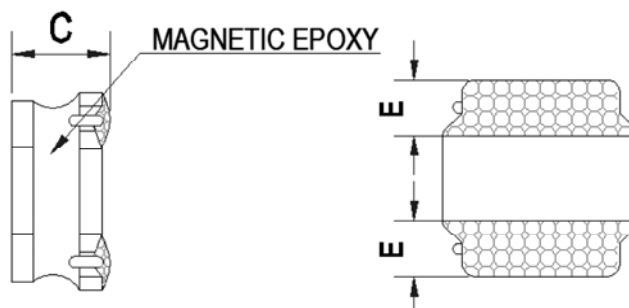
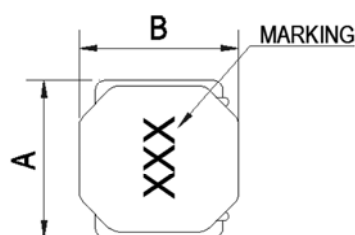


Shape and size: (Dimensions are in mm)



ITEM	A (max)	B (max)	C(max)	E	H	I	J
SNR4018E	4.0±0.2	4.0±0.2	2.0	1.2	3.7	1.2	1.6
SNR5040E	5.0±0.2	5.0±0.2	4.2	1.5	4.0	1.5	2.1



Features:

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

Ordering information:

SNR 4018 E- 100 M

(1) (2) (3) (4) (5)

(1) Type: Product type.

(2) Style: L=4.0mm H=1.8mm

(3) Design Code.

(4) Inductance: **100** for 10uH.

(5) Inductance tolerance: **N**: ± 30%; **M**: ± 20%.

Inductance and rated current ranges:

- SNR4018E 1.0~220uH 4.1~0.28A
- SNR5040E 1.5~47.0uH 7.1~1.20A

Characteristics:

- Saturation current(Isat) : The current when the inductance become 30% lower than is initial value. (Ta=20°C)
- Temperature rise current (Irms) : The current when Temperature of coil increase up to Max T=40°C (Ta=20°C)
- Operating temperature : -25 to 125°C

Test equipment :

- Test equipments : L tested by Agilent 4284A Precision LCR meter.
- DCR tested by Milli-ohm meter.

Applications:

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

Part No.	Inductance L (uH)	Test Freq (1V)	DCR m OHM (±30%)	Saturation Rated Current (A) TYP.	Temperature Rise Current (A) TYP.	Marking
SNR4018E-1R0N	1.0	100KHz	32	4.1	2.8	1R0
SNR4018E-2R2N	2.2	100KHz	60	2.8	2.5	2R2
SNR4018E-3R3N	3.3	100KHz	70	2.2	2.1	3R3
SNR4018E-4R7N	4.7	100KHz	90	2	1.7	4R7
SNR4018E-6R8M	6.8	100KHz	110	1.6	1.5	6R8
SNR4018E-100M	10	100KHz	170	1.4	1.2	100
SNR4018E-150M	15	100KHz	250	1	1	150
SNR4018E-220M	22	100KHz	350	0.9	0.85	220
SNR4018E-330M	33	100KHz	530	0.8	0.7	330
SNR4018E-470M	47	100KHz	720	0.7	0.56	470
SNR4018E-680M	68	100KHz	1000	0.56	0.45	680
SNR4018E-101M	100	100KHz	1500	0.46	0.38	101
SNR4018E-151M	150	100KHz	2500	0.35	0.3	151
SNR4018E-221M	220	100KHz	4000	0.28	0.23	221
SNR5040E-1R5N	1.5	100KHz	16	7.1	4.4	1R5
SNR5040E-2R2N	2.2	100KHz	21	5.7	3.7	2R2
SNR5040E-3R3N	3.3	100KHz	26	4.8	3.5	3R3
SNR5040E-4R7M	4.7	100KHz	32	4.2	3.2	4R7
SNR5040E-6R8M	6.8	100KHz	50	3.3	2.4	6R8
SNR5040E-100M	10	100KHz	60	2.8	2.2	100
SNR5040E-150M	15	100KHz	90	2.3	1.8	150
SNR5040E-220M	22	100KHz	135	1.8	1.4	220
SNR5040E-330M	33	100KHz	190	1.5	1.1	330
SNR5040E-470M	47	100KHz	310	1.2	0.9	470