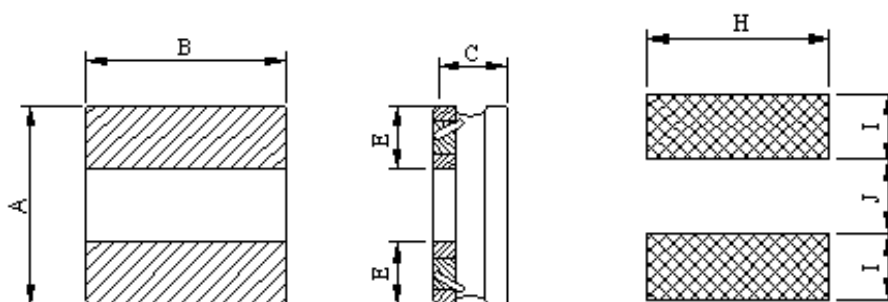


**Shape and size: (Dimensions are in mm)**


ITEM	A	B	C(max)	E	H	I	J
SNR2010E	2.0±0.2	1.6±0.2	1.02	0.6	1.8	0.8	0.8
SNR2510E	2.5±0.2	2.0±0.2	1.02	0.8	2.0	0.85	0.8
SNR2512E	2.5±0.2	2.0±0.2	1.20	0.8	2.0	0.85	0.8
SNR3010E	3.0±0.2	3.0±0.2	1.02	1.0	3.0	1.0	1.0
SNR3012E	3.0±0.2	3.0±0.2	1.20	1.0	3.0	1.0	1.0
SNR3015E	3.0±0.2	3.0±0.2	1.50	1.0	3.0	1.0	1.0

**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 2010 E- 100 M**

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

- (1) Type: Product type.
- (2) Style: L=2.2mm H=1.02mm
- (3) Design Code.
- (4) Inductance: **100** for 10uH.
- (5) Inductance tolerance: **N**: ± 30%; **M**: ± 20%.

**Inductance and rated current ranges:**

- SNR2010E 1.0~22.0uH 1.4~0.4A
- SNR2510E 1.0~22.0uH 2.2~0.5A
- SNR2512E 1.0~22.0uH 2.8~0.55A
- SNR3010E 1.0~22.0uH 1.3~0.31A
- SNR3012E 1.0~22.0uH 1.6~0.35A
- SNR3015E 1.0~22.0uH 2.0~0.42A

**Characteristics:**

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

**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 (200mV)	DCR OHM (±30%)	Saturation Rated Current (mA) TYP.	Temperature Rise Current (mA) TYP.
SNR2010E-1R0M	1.0	1MHz	0.170	1400	1600
SNR2010E-1R5M	1.5	1MHz	0.260	1100	1400
SNR2010E-2R2M	2.2	1MHz	0.320	1000	1200
SNR2010E-3R3M	3.3	1MHz	0.510	820	900
SNR2010E-4R7M	4.7	1MHz	0.670	680	800
SNR2010E-5R6M	5.6	1MHz	0.720	650	800
SNR2010E-6R8M	6.8	1MHz	0.970	560	700
SNR2010E-100M	10.0	1MHz	1.450	470	580
SNR2010E-220M	22.0	1MHz	2.900	310	400
SNR2510E-1R0M	1.0	1MHz	0.093	2200	2200
SNR2510E-1R5M	1.5	1MHz	0.148	1900	1800
SNR2510E-2R2M	2.2	1MHz	0.178	1620	1680
SNR2510E-3R3M	3.3	1MHz	0.286	1220	1340
SNR2510E-4R7M	4.7	1MHz	0.421	1040	1020
SNR2510E-5R6M	5.6	1MHz	0.481	920	940
SNR2510E-6R8M	6.8	1MHz	0.598	900	880
SNR2510E-100M	10.0	1MHz	0.797	740	820
SNR2510E-220M	22.0	1MHz	1.839	500	520
SNR2512E-1R0M	1.0	1MHz	0.105	2800	2200
SNR2512E-1R5M	1.5	1MHz	0.153	2200	1860
SNR2512E-2R2M	2.2	1MHz	0.219	1800	1700
SNR2512E-3R3M	3.3	1MHz	0.349	1300	1200
SNR2512E-4R7M	4.7	1MHz	0.507	1100	1040
SNR2512E-5R6M	5.6	1MHz	0.525	1100	1000
SNR2512E-6R8M	6.8	1MHz	0.760	940	940
SNR2512E-100M	10.0	1MHz	0.915	820	840
SNR2512E-220M	22.0	1MHz	2.110	550	540
SNR3010E-1R0M	1.0	1MHz	0.063	1300	2400
SNR3010E-1R5M	1.5	1MHz	0.077	1100	2200
SNR3010E-2R2M	2.2	1MHz	0.087	960	2000
SNR3010E-3R3M	3.3	1MHz	0.127	780	1600
SNR3010E-4R7M	4.7	1MHz	0.186	650	1300
SNR3010E-6R8M	6.8	1MHz	0.253	560	1000
SNR3010E-100M	10.0	1MHz	0.353	430	880
SNR3010E-220M	22.0	1MHz	0.693	310	580

Part No.	Inductance L (uH)	Test Freq (200mV) 1MHz	DCR OHM (±30%)	Saturation Rated Current (mA) TYP.	Temperature Rise Current (mA) TYP.
SNR3012E-1R0M	1.0	1MHz	0.048	1600	2500
SNR3012E-1R5M	1.5	1MHz	0.063	1200	2300
SNR3012E-2R2M	2.2	1MHz	0.076	1100	2000
SNR3012E-3R3M	3.3	1MHz	0.102	900	1600
SNR3012E-4R7M	4.7	1MHz	0.136	750	1500
SNR3012E-6R8M	6.8	1MHz	0.182	630	1300
SNR3012E-100M	10.0	1MHz	0.275	520	1000
SNR3012E-220M	22.0	1MHz	0.594	350	650
SNR3015E-1R0M	1.0	1MHz	0.056	2000	2800
SNR3015E-1R5M	1.5	1MHz	0.074	1600	2400
SNR3015E-2R2M	2.2	1MHz	0.079	1200	2300
SNR3015E-3R3M	3.3	1MHz	0.105	1000	1900
SNR3015E-4R7M	4.7	1MHz	0.130	900	1600
SNR3015E-6R8M	6.8	1MHz	0.165	730	1300
SNR3015E-100M	10.0	1MHz	0.206	600	1000
SNR3015E-220M	22.0	1MHz	0.501	420	650