

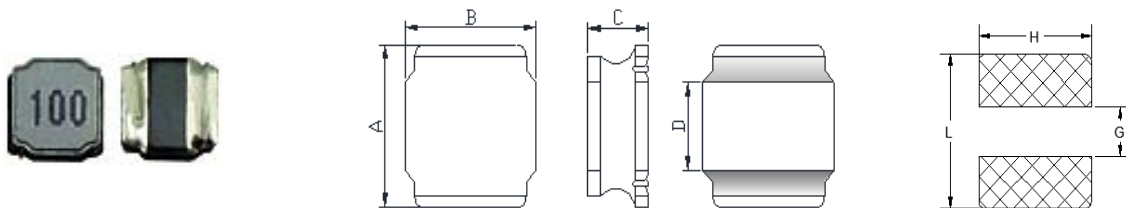
### Features

- Magnetic-resin sealed construction reduces buzz noise to ultra-low levels.
- Metalization on ferrit core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux Electro Magnetic Interference (EMI)
- Take up less PCS real estate and save more power.

### Applications

- Mobile devices, Cameras, Notebook PCs, Desktop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaming devices, personal navigation systems, Personal Multimedia devices.

### Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H
SDNR3012	3.0 ± 0.2	3.0 ± 0.2	1.2 max.	2.5 ± 0.2	3.5 ref.	1.5 ref.	2.7 ref.

### Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 30% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR3012-1R0NC	1.0 ± 30%	100	0.040	2.70	2.20	120
SDNR3012-1R2NC	1.2 ± 30%	100	0.045	2.50	2.01	115
SDNR3012-1R5NC	1.5 ± 30%	100	0.052	1.90	1.90	110
SDNR3012-1R8NC	1.8 ± 30%	100	0.063	1.85	1.65	90
SDNR3012-2R2NC	2.2 ± 30%	100	0.075	1.80	1.55	84
SDNR3012-2R7NC	2.7 ± 30%	100	0.085	1.45	1.48	65
SDNR3012-3R3NC	3.3 ± 20%	100	0.100	1.40	1.36	64
SDNR3012-3R9NC	3.9 ± 20%	100	0.145	1.30	1.24	58
SDNR3012-4R7NC	4.7 ± 20%	100	0.160	1.00	1.18	55
SDNR3012-5R6NC	5.6 ± 20%	100	0.174	0.95	1.13	52
SDNR3012-6R8NC	6.8 ± 20%	100	0.190	0.90	0.98	49
SDNR3012-100MC	10 ± 20%	100	0.265	0.88	0.83	42
SDNR3012-120MC	12 ± 20%	100	0.345	0.67	0.73	32
SDNR3012-150MC	15 ± 20%	100	0.360	0.62	0.71	27
SDNR3012-180MC	18 ± 20%	100	0.545	0.59	0.56	25
SDNR3012-220MC	22 ± 20%	100	0.645	0.52	0.53	23
SDNR3012-270MC	27 ± 20%	100	0.870	0.48	0.47	21
SDNR3012-330MC	33 ± 20%	100	0.895	0.46	0.46	18
SDNR3012-390MC	39 ± 20%	100	1.330	0.39	0.37	16
SDNR3012-470MC	47 ± 20%	100	1.450	0.35	0.35	14
SDNR3012-560MC	56 ± 20%	100	1.580	0.33	0.28	9
SDNR3012-680MC	68 ± 20%	100	1.670	0.29	0.27	7
SDNR3012-820MC	82 ± 20%	100	2.540	0.27	0.26	6
SDNR3012-101MC	100 ± 20%	100	2.860	0.23	0.25	5

NOTES:

Isat : DC current at which the inductance drops approximately 35% from its value without current.

Irms : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient