

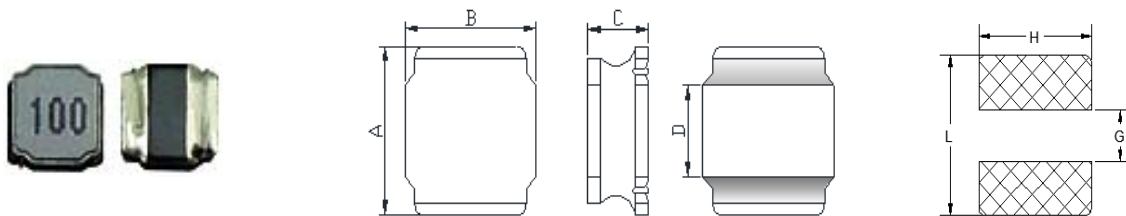
### Features

- 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, Destop Computers, Servers and graphic cards.
- Flat-screen TVs, Blue-ray DISC recorders, Set top boxes and LED lightings.
- Portable gaminge devices, personal navigation systems, Personal Multimedia devices.

### Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C max.	D	F	G	H	
SDNR5012	5.0 ± 0.2	5.0 ± 0.2	1.2 max.	4.0 ± 0.2	5.7 ref.	2.3 ref.	4.2 ref.	

### Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 20% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR5012-R22NC	0.22 ± 30%	100	0.028	8.10	3.00	315
SDNR5012-1R0NC	1.0 ± 30%	100	0.057	4.40	2.00	109
SDNR5012-1R5NC	1.5 ± 30%	100	0.072	3.70	1.90	68
SDNR5012-2R2NC	2.2 ± 30%	100	0.090	3.10	1.70	50
SDNR5012-3R3NC	3.3 ± 30%	100	0.126	2.40	1.40	34
SDNR5012-4R7NC	4.7 ± 30%	100	0.164	2.20	1.30	31
SDNR5012-6R8MC	6.8 ± 20%	100	0.245	1.70	1.00	22
SDNR5012-100MC	10 ± 20%	100	0.334	1.40	0.85	17
SDNR5012-150MC	15 ± 20%	100	0.436	1.20	0.80	13
SDNR5012-220MC	22 ± 20%	100	0.780	0.88	0.60	16

#### 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