

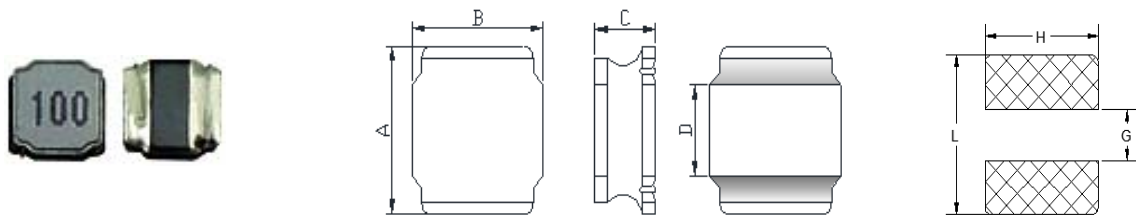
### Features

- 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 : pcs/reel

Type	A	B	C	D	L	G	H
SDNR10D50	10.0 ± 0.3	10.0 ± 0.3	5.0 max.	6.4 ± 0.2	10.2 ref.	6.2 ref.	5.5 ref.

### Electrical Characteristics

Part No.	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 20% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR10D50-R90NC	1.0 ± 30%	100	0.040	2.70	2.20	180
SDNR10D50-R91NC	1.2 ± 30%	100	0.045	2.50	1.70	137

#### 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