

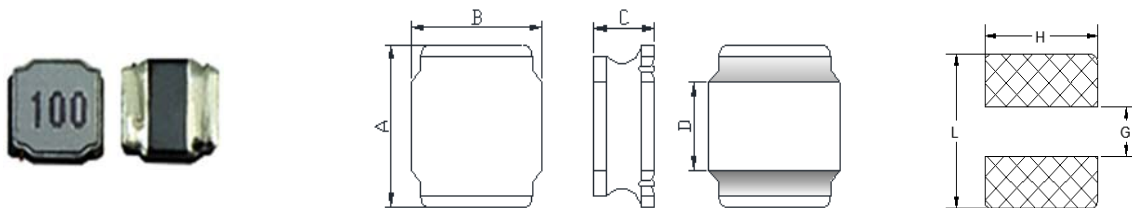
### Features

- 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 : 2,000 pcs/reel

Type	A	B	C	D	L	G	H
SDNR6020	6.0 ± 0.3	6.0 ± 0.3	2.0 max.	4.9 ± 0.2	6.5 ref.	2.8 ref.	5.7 ref.

### Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 20% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR6020-R50NC	0.50 ± 30%	100	0.014	6.50	4.00	120
SDNR6020-R68NC	0.68 ± 30%	100	0.017	5.90	3.80	115
SDNR6020-R82NC	0.82 ± 30%	100	0.017	5.50	3.80	110
SDNR6020-1R0NC	1.0 ± 30%	100	0.020	5.30	3.50	100
SDNR6020-1R2NC	1.2 ± 30%	100	0.022	5.15	3.20	88
SDNR6020-1R5NC	1.5 ± 30%	100	0.022	4.85	3.20	79
SDNR6020-1R8NC	1.8 ± 30%	100	0.028	4.40	2.75	68
SDNR6020-2R2NC	2.2 ± 30%	100	0.028	3.90	2.60	61
SDNR6020-2R7NC	2.7 ± 30%	100	0.035	3.75	2.50	56
SDNR6020-3R3NC	3.3 ± 30%	100	0.035	3.55	2.40	51
SDNR6020-3R9NC	3.9 ± 30%	100	0.049	3.25	2.10	45
SDNR6020-4R7NC	4.7 ± 30%	100	0.058	2.70	2.00	41
SDNR6020-5R6NC	5.6 ± 30%	100	0.058	2.40	1.90	36
SDNR6020-6R8NC	6.8 ± 30%	100	0.079	2.20	1.80	31
SDNR6020-8R2NC	8.2 ± 30%	100	0.105	2.10	1.40	27
SDNR6020-100MC	10 ± 20%	100	0.105	1.75	1.40	27
SDNR6020-120MC	12 ± 20%	100	0.120	1.45	1.30	25
SDNR6020-150MC	15 ± 20%	100	0.145	1.20	1.20	21
SDNR6020-180MC	18 ± 20%	100	0.180	1.20	1.08	18
SDNR6020-220MC	22 ± 20%	100	0.204	1.05	1.00	16
SDNR6020-330MC	33 ± 20%	100	0.300	0.95	0.84	11
SDNR6020-470MC	47 ± 20%	100	0.430	0.70	0.80	10
SDNR6020-331MC	330 ± 20%	100	2.630	0.27	0.33	3

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