

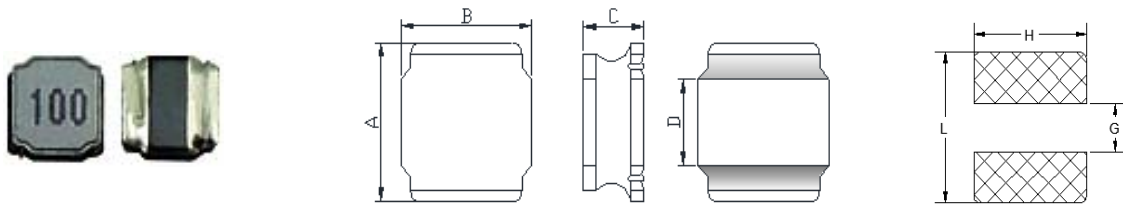
Features

- 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
SDNR5020	5.0 ± 0.2	5.0 ± 0.2	2.0 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)
SDNR5020-R22NC	0.22 ± 30%	100	0.009	9.00	5.30	280
SDNR5020-R47NC	0.47 ± 30%	100	0.013	7.00	4.60	160
SDNR5020-R56NC	0.56 ± 30%	100	0.017	6.50	4.20	137
SDNR5020-R68NC	0.68 ± 30%	100	0.017	5.50	4.00	120
SDNR5020-1R0NC	1.0 ± 30%	100	0.020	4.50	3.80	114
SDNR5020-1R5NC	1.5 ± 30%	100	0.026	4.10	3.20	68
SDNR5020-2R2NC	2.2 ± 30%	100	0.032	3.20	2.90	57
SDNR5020-2R7NC	2.7 ± 30%	100	0.038	2.90	2.70	52
SDNR5020-3R3NC	3.3 ± 30%	100	0.043	2.65	2.50	46
SDNR5020-3R9NC	3.9 ± 30%	100	0.043	2.45	2.50	40
SDNR5020-4R7MC	4.7 ± 20%	100	0.057	2.35	2.20	37
SDNR5020-5R6MC	5.6 ± 20%	100	0.064	2.25	2.05	32
SDNR5020-6R8MC	6.8 ± 20%	100	0.083	2.05	1.80	30
SDNR5020-8R2MC	8.2 ± 20%	100	0.098	1.85	1.65	26
SDNR5020-100MC	10 ± 20%	100	0.110	1.70	1.55	24
SDNR5020-150MC	15 ± 20%	100	0.165	1.35	1.25	20
SDNR5020-220MC	22 ± 20%	100	0.226	1.15	1.10	14
SDNR5020-330MC	33 ± 20%	100	0.390	0.92	0.90	10
SDNR5020-470MC	47 ± 20%	100	0.523	0.77	0.77	7
SDNR5020-560MC	56 ± 20%	100	0.630	0.77	0.70	6
SDNR5020-680MC	68 ± 20%	100	0.740	0.65	0.64	6
SDNR5020-820MC	82 ± 20%	100	0.965	0.65	0.50	6
SDNR5020-101MC	100 ± 20%	100	1.100	0.53	0.53	6
SDNR5020-121MC	120 ± 20%	100	1.350	0.42	0.40	6
SDNR5020-201MC	200 ± 20%	100	2.000	0.30	0.40	4.5

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