

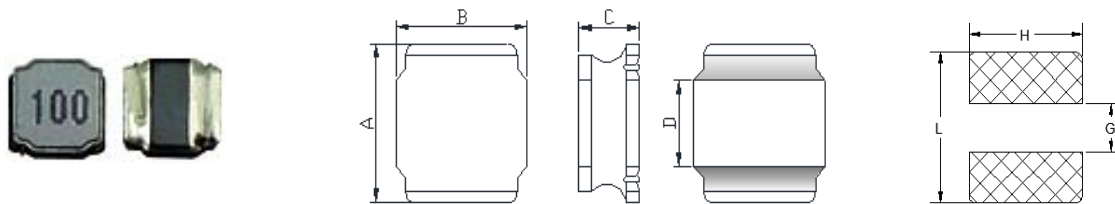
Features

- 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
SDNR4020	4.0 ± 0.2	4.0 ± 0.2	2.0 max.	3.3 ± 0.2	5.0 ref.	1.9 ref.	3.7 ref.

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 30% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR4020-R33NC	0.33 ± 30%	100	0.013	7.50	3.30	223
SDNR4020-R47NC	0.47 ± 30%	100	0.022	7.00	3.10	160
SDNR4020-R68NC	0.68 ± 30%	100	0.028	6.40	2.80	120
SDNR4020-1R0NC	1.0 ± 30%	100	0.029	5.70	2.25	75
SDNR4020-1R2NC	1.2 ± 30%	100	0.031	5.10	2.15	72
SDNR4020-1R5NC	1.5 ± 30%	100	0.035	4.45	1.98	71
SDNR4020-2R2NC	2.2 ± 30%	100	0.040	3.40	1.85	49
SDNR4020-3R3MC	3.3 ± 20%	100	0.065	3.20	1.54	45
SDNR4020-3R6MC	3.6 ± 20%	100	0.070	2.80	1.40	43
SDNR4020-4R7MC	4.7 ± 20%	100	0.075	2.35	1.34	42
SDNR4020-5R6MC	5.6 ± 20%	100	0.090	2.20	1.22	36
SDNR4020-6R8MC	6.8 ± 20%	100	0.125	2.00	1.15	31
SDNR4020-8R2MC	8.2 ± 20%	100	0.145	1.75	1.04	27
SDNR4020-100MC	10 ± 20%	100	0.165	1.60	0.90	26
SDNR4020-120MC	12 ± 20%	100	0.175	1.50	0.88	25
SDNR4020-150MC	15 ± 20%	100	0.230	1.35	0.77	24
SDNR4020-220MC	22 ± 20%	100	0.350	1.05	0.62	15
SDNR4020-270MC	27 ± 20%	100	0.545	1.02	0.50	14
SDNR4020-330MC	33 ± 20%	100	0.650	0.85	0.49	11
SDNR4020-390MC	39 ± 20%	100	0.660	0.82	0.46	11
SDNR4020-470MC	47 ± 20%	100	0.710	0.77	0.45	10
SDNR4020-560MC	56 ± 20%	100	0.800	0.66	0.41	10
SDNR4020-680MC	68 ± 20%	100	1.060	0.61	0.36	7.7
SDNR4020-820MC	82 ± 20%	100	1.170	0.50	0.34	7.7
SDNR4020-101MC	100 ± 20%	100	1.550	0.48	0.31	6.3

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