

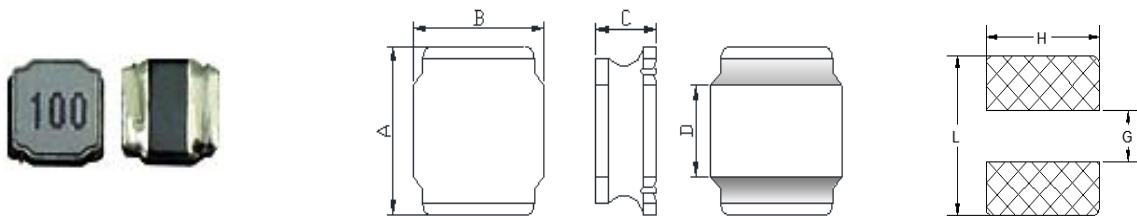
Features

- 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 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
SDNR3010	3.0 ± 0.2	3.0 ± 0.2	1.0 max.	2.5 ± 0.2	3.5 ref.	1.5 ref.	2.7 ref.

Electrical Characteristics

Part Number	Inductance (µH)	Measuring Freq. (KHz)	D.C.R ± 30% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR3010-1R0NC	1.0 ± 30%	100	0.065	2.10	1.45	180
SDNR3010-1R2NC	1.2 ± 30%	100	0.065	1.70	1.45	137
SDNR3010-1R5NC	1.5 ± 30%	100	0.080	1.55	1.30	120
SDNR3010-2R2NC	2.2 ± 30%	100	0.110	1.50	1.09	100
SDNR3010-2R7NC	2.7 ± 30%	100	0.130	1.20	1.02	90
SDNR3010-3R3NC	3.3 ± 30%	100	0.145	1.15	0.96	74
SDNR3010-3R6MC	3.6 ± 20%	100	0.165	1.10	0.90	67
SDNR3010-4R7MC	4.7 ± 20%	100	0.225	1.05	0.77	59
SDNR3010-5R6MC	5.6 ± 20%	100	0.025	0.85	0.70	45
SDNR3010-6R8MC	6.8 ± 20%	100	0.305	0.75	0.66	42
SDNR3010-8R2MC	8.2 ± 20%	100	0.400	0.72	0.58	40
SDNR3010-100MC	10 ± 20%	100	0.400	0.70	0.55	39
SDNR3010-120MC	12 ± 20%	100	0.505	0.65	0.52	36
SDNR3010-150MC	15 ± 20%	100	0.610	0.57	0.47	30
SDNR3010-220MC	22 ± 20%	100	0.930	0.48	0.38	28
SDNR3010-270MC	27 ± 20%	100	1.080	0.45	0.35	25
SDNR3010-330MC	33 ± 20%	100	1.550	0.42	0.30	23
SDNR3010-390MC	39 ± 20%	100	1.750	0.38	0.28	18
SDNR3010-430MC	43 ± 20%	100	1.800	0.36	0.27	18
SDNR3010-470MC	47 ± 20%	100	1.950	0.35	0.26	17
SDNR3010-510MC	51 ± 20%	100	2.200	0.33	0.25	17
SDNR3010-560MC	56 ± 20%	100	2.320	0.28	0.24	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