

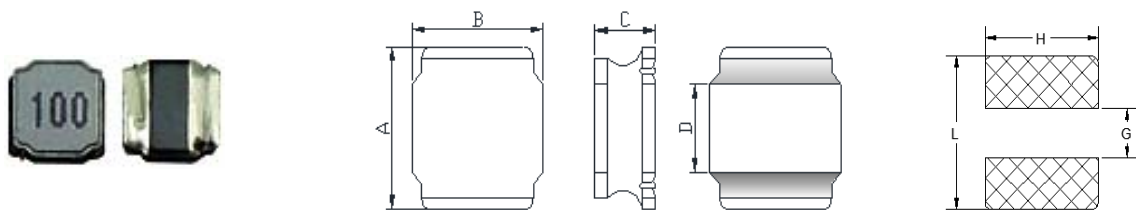
Features

- Magnetic-resin sealed construction reduces buzz noise to ultra-low levels.
- Metalization on ferrite 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
SDNR4012	4.0 ± 0.2	4.0 ± 0.2	1.2 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)
SDNR4012-R82NC	0.82 ± 30%	100	0.050	3.02	1.65	150
SDNR4012-1R0NC	1.0 ± 30%	100	0.056	2.61	1.55	120
SDNR4012-1R5NC	1.5 ± 30%	100	0.065	2.20	1.46	90
SDNR4012-1R8NC	1.8 ± 30%	100	0.080	2.12	1.32	88
SDNR4012-2R2NC	2.2 ± 30%	100	0.085	1.90	1.30	74
SDNR4012-2R7NC	2.7 ± 30%	100	0.090	1.75	1.25	71
SDNR4012-3R3NC	3.3 ± 30%	100	0.110	1.72	1.15	60
SDNR4012-4R7NC	4.7 ± 30%	100	0.145	1.15	1.05	50
SDNR4012-5R6NC	5.6 ± 30%	100	0.170	1.00	0.95	42
SDNR4012-6R8MC	6.8 ± 20%	100	0.198	0.85	0.84	40
SDNR4012-100MC	10 ± 20%	100	0.265	0.80	0.77	33
SDNR4012-120MC	12 ± 20%	100	0.290	0.66	0.70	32
SDNR4012-150MC	15 ± 20%	100	0.370	0.56	0.64	25
SDNR4012-180MC	18 ± 20%	100	0.470	0.55	0.55	23
SDNR4012-220MC	22 ± 20%	100	0.587	0.46	0.49	20
SDNR4012-270MC	27 ± 20%	100	0.720	0.45	0.45	18
SDNR4012-330MC	33 ± 20%	100	0.810	0.42	0.42	17
SDNR4012-390MC	39 ± 20%	100	1.100	0.37	0.37	14
SDNR4012-470MC	47 ± 20%	100	1.150	0.35	0.35	12
SDNR4012-560MC	56 ± 20%	100	1.250	0.33	0.33	11
SDNR4012-680MC	68 ± 20%	100	1.950	0.30	0.27	10.5
SDNR4012-820MC	82 ± 20%	100	2.140	0.28	0.26	10
SDNR4012-101MC	100 ± 20%	100	2.210	0.25	0.25	9.4

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