

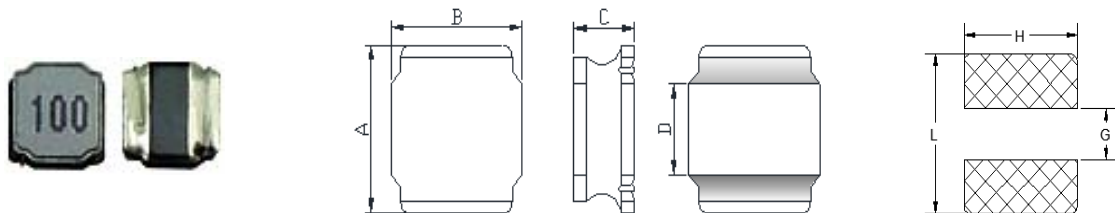
Features

- 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
SDNR4018	4.0 ± 0.2	4.0 ± 0.2	1.8 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)
SDNR4018-R47NC	0.47 ± 30%	100	0.014	4.80	4.00	155
SDNR4018-R68NC	0.68 ± 30%	100	0.020	4.30	3.30	128
SDNR4018-1R0NC	1.0 ± 30%	100	0.025	4.00	2.00	80
SDNR4018-1R5NC	1.5 ± 30%	100	0.030	3.40	1.80	65
SDNR4018-1R8NC	1.8 ± 30%	100	0.034	3.00	1.75	54
SDNR4018-2R2MC	2.2 ± 20%	100	0.045	2.70	1.65	52
SDNR4018-3R3MC	3.3 ± 20%	100	0.070	2.45	1.23	44
SDNR4018-4R7MC	4.7 ± 20%	100	0.090	1.70	1.20	34
SDNR4018-6R8MC	6.8 ± 20%	100	0.110	1.45	1.06	29
SDNR4018-100MC	10 ± 20%	100	0.180	1.30	0.84	24
SDNR4018-150MC	15 ± 20%	100	0.250	0.94	0.65	19
SDNR4018-220MC	22 ± 20%	100	0.360	0.80	0.59	16
SDNR4018-270MC	27 ± 20%	100	0.470	0.67	0.52	13
SDNR4018-330MC	33 ± 20%	100	0.530	0.60	0.49	12
SDNR4018-470MC	47 ± 20%	100	0.650	0.56	0.42	10
SDNR4018-680MC	68 ± 20%	100	1.000	0.47	0.32	8.3
SDNR4018-101MC	100 ± 20%	100	1.750	0.40	0.25	6.5
SDNR4018-151MC	150 ± 20%	100	2.500	0.31	0.22	5.5
SDNR4018-221MC	220 ± 20%	100	4.000	0.27	0.17	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