

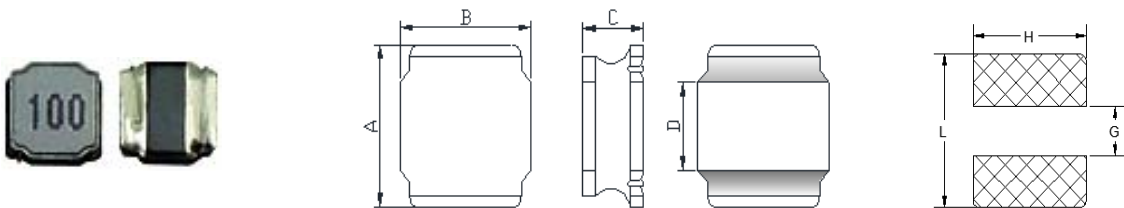
### Features

- 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
SDNR3015	3.0 ± 0.2	3.0 ± 0.2	1.5 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)
SDNR3015-1R0NC	1.0 ± 30%	100	0.030	3.10	2.35	150
SDNR3015-1R2NC	1.2 ± 30%	100	0.040	2.80	1.95	110
SDNR3015-1R5NC	1.5 ± 30%	100	0.050	2.70	1.70	100
SDNR3015-1R8NC	1.8 ± 30%	100	0.055	2.20	1.65	92
SDNR3015-2R2NC	2.2 ± 30%	100	0.060	2.00	1.60	86
SDNR3015-2R7NC	2.7 ± 30%	100	0.075	1.90	1.45	68
SDNR3015-3R3MC	3.3 ± 20%	100	0.080	1.81	1.36	64
SDNR3015-3R9MC	3.9 ± 20%	100	0.110	1.40	1.17	53
SDNR3015-4R7MC	4.7 ± 20%	100	0.115	1.35	1.14	49
SDNR3015-5R6MC	5.6 ± 20%	100	0.125	1.30	1.09	47
SDNR3015-6R8MC	6.8 ± 20%	100	0.200	1.10	0.83	41
SDNR3015-100MC	10 ± 20%	100	0.250	0.92	0.77	39
SDNR3015-120MC	12 ± 20%	100	0.320	0.90	0.68	32
SDNR3015-150MC	15 ± 20%	100	0.350	0.88	0.65	30
SDNR3015-180MC	18 ± 20%	100	0.430	0.72	0.59	25
SDNR3015-220MC	22 ± 20%	100	0.460	0.68	0.57	23
SDNR3015-270MC	27 ± 20%	100	0.730	0.56	0.45	22
SDNR3015-330MC	33 ± 20%	100	0.820	0.53	0.43	20
SDNR3015-390MC	39 ± 20%	100	0.995	0.50	0.39	16
SDNR3015-470MC	47 ± 20%	100	0.125	0.43	0.35	14
SDNR3015-560MC	56 ± 20%	100	0.128	0.42	0.34	13
SDNR3015-680MC	68 ± 20%	100	2.700	0.37	0.23	11
SDNR3015-820MC	82 ± 20%	100	3.110	0.25	0.21	6.3
SDNR3015-101MC	100 ± 20%	100	3.800	0.22	0.19	4.7

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