

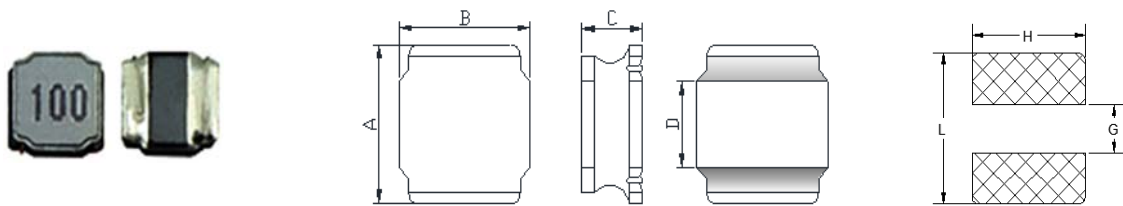
Features

- 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 : 1,500 pcs/reel

Type	A	B	C	D	L	G	H
SDNR6028	6.0 ± 0.3	6.0 ± 0.3	2.8 max.	4.9 ± 0.2	6.5 ref.	2.8 ref.	5.7 ref.

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 20% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR6028-R82NC	0.82 ± 30%	100	0.010	6.50	5.20	97
SDNR6028-1R0NC	1.0 ± 30%	100	0.012	6.40	5.20	70
SDNR6028-1R2NC	1.2 ± 30%	100	0.013	6.00	4.58	69
SDNR6028-1R5NC	1.5 ± 30%	100	0.013	5.75	4.58	65
SDNR6028-2R2NC	2.2 ± 30%	100	0.020	5.10	3.75	48
SDNR6028-2R7NC	2.7 ± 30%	100	0.020	4.50	3.75	48
SDNR6028-3R3NC	3.3 ± 30%	100	0.025	4.15	3.48	41
SDNR6028-4R7NC	4.7 ± 20%	100	0.030	3.00	3.08	35
SDNR6028-6R8MC	6.8 ± 20%	100	0.047	2.60	2.40	27
SDNR6028-8R2MC	8.2 ± 20%	100	0.055	2.55	2.25	24
SDNR6028-100MC	10 ± 20%	100	0.074	2.04	1.95	23
SDNR6028-120MC	12 ± 20%	100	0.080	1.80	1.85	18
SDNR6028-150MC	15 ± 20%	100	0.125	1.75	1.45	18
SDNR6028-180MC	18 ± 20%	100	0.130	1.52	1.45	15
SDNR6028-220MC	22 ± 20%	100	0.140	1.50	1.40	14
SDNR6028-270MC	27 ± 20%	100	0.155	1.45	1.32	13
SDNR6028-330MC	33 ± 20%	100	0.225	1.35	1.22	12
SDNR6028-390MC	39 ± 20%	100	0.315	1.25	1.10	11
SDNR6028-470MC	47 ± 20%	100	0.345	1.15	1.06	9.5
SDNR6028-560MC	56 ± 20%	100	0.360	1.05	0.89	8.2
SDNR6028-680MC	68 ± 20%	100	0.345	0.80	0.86	7.7
SDNR6028-820MC	82 ± 20%	100	0.500	0.80	0.70	7.7
SDNR6028-101MC	100 ± 20%	100	0.600	0.65	0.70	7.1
SDNR6028-401MC	400 ± 20%	100	2.160	0.30	0.40	2.8
SDNR6028-102MC	1,000 ± 20%	100	5.800	0.18	0.23	1.5

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