ORITAC

SMT Power Inductor > Sealed > SDNR4030

2022

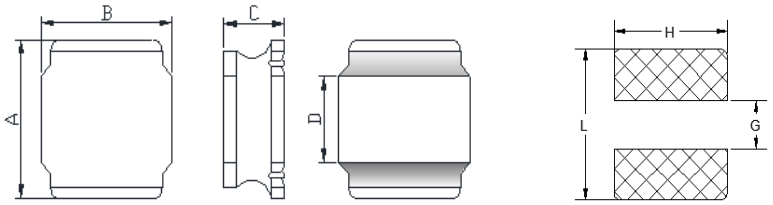
Features

- Magnetic-resin sealed construction reduces buzz noise to ultra-low levels.
- Metalization on ferrit core results in excellent shock resistance and demage-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 gameing 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	
SDNR4030	4.0 ± 0.2	4.0 ± 0.2	3.0 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 ± 20% (Ω)	Isat. (A)	Irms. (A)	SRF min. (MHz)
SDNR4030-1R0NC	1.0 ± 30%	100	0.014	5.80	4.15	80
SDNR4030-1R5NC	1.5 ± 30%	100	0.020	5.20	3.34	62
SDNR4030-2R2NC	2.2 ± 30%	100	0.030	4.50	2.95	52
SDNR4030-3R3MC	3.3 ± 20%	100	0.040	3.50	2.40	38
SDNR4030-3R9MC	3.9 ± 20%	100	0.051	3.00	2.20	33
SDNR4030-4R7MC	4.7 ± 20%	100	0.060	2.90	2.00	31
SDNR4030-5R6MC	5.6 ± 20%	100	0.065	2.75	1.95	30
SDNR4030-6R8MC	6.8 ± 20%	100	0.080	2.60	1.80	28
SDNR4030-8R2MC	8.2 ± 20%	100	0.090	2.10	1.60	24
SDNR4030-100MC	10 ± 20%	100	0.100	1.95	1.50	21
SDNR4030-150MC	15 ± 20%	100	0.190	1.65	1.11	16
SDNR4030-220MC	22 ± 20%	100	0.225	1.30	1.00	14
SDNR4030-330MC	33 ± 20%	100	0.330	1.10	0.84	12
SDNR4030-390MC	39 ± 20%	100	0.435	1.03	0.73	9.8
SDNR4030-470MC	47 ± 20%	100	0.445	0.96	0.72	9.2
SDNR4030-560MC	56 ± 20%	100	0.555	0.85	0.65	8.4
SDNR4030-680MC	68 ± 20%	100	0.868	0.72	0.52	6.5
SDNR4030-820MC	82 ± 20%	100	1.060	0.66	0.47	5.6
SDNR4030-101MC	100 ± 20%	100	1.150	0.60	0.45	5.4
SDNR4030-151MC	150 ± 20%	100	1.800	0.50	0.35	4.5
SDNR4030-221MC	220 ± 20%	100	2.500	0.40	0.30	4.2
SDNR4030-331MC	330 ± 20%	100	4.000	0.30	0.25	3.8
SDNR4030-471MC	470 ± 20%	100	6.944	0.28	0.20	2.5
SDNR4030-561MC	560 ± 20%	100	7.200	0.25	0.15	2.0
SDNR4030-681MC	680 ± 20%	100	7.580	0.19	0.14	1.2

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