ORITAC

SMT Power Inductor > Sealed > SDNR5040

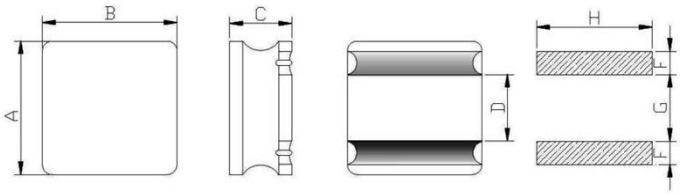
Features

- 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 : 1,500 pcs/reel

Type	A	B	C max.	D	F	G	H	
SDNR5040	4.9 ± 0.2	4.9 ± 0.2	4.10	3.3 ± 0.2	1.50	3.60	4.00	

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R ± 20% (Ω)	Irms (A)	Isat (A)
SDNR5040-1R5NC	1.5 ± 30%	100	0.017	4.50	6.40
SDNR5040-2R2NC	2.2 ± 30%	100	0.022	3.70	5.00
SDNR5040-3R3NC	3.3 ± 30%	100	0.027	3.30	4.00
SDNR5040-4R7NC	4.7 ± 30%	100	0.029	3.10	3.30
SDNR5040-6R8NC	6.8 ± 30%	100	0.049	2.40	2.80
SDNR5040-100MC	10 ± 20%	100	0.056	2.10	2.30
SDNR5040-150MC	15 ± 20%	100	0.080	1.80	2.00
SDNR5040-220MC	22 ± 20%	100	0.126	1.40	1.50

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