

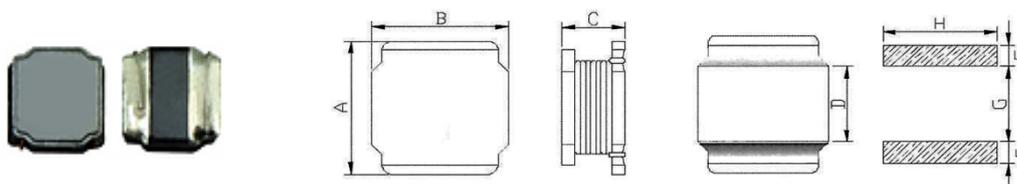
Features

- Non-Shielded magnetic circuit design.
- High current design.
- 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 max.	D	F	G	H	
SDN4020	4.0 ± 0.3	4.0 ± 0.3	2.20	2.1 ± 0.2	1.10	1.80	3.70	

Electrical Characteristics

Part No.	Inductance (uH)	Measuring Freq. (KHz)	D.C.R max. (Ω)	I _{rms} (A)	I _{sat} (A)
SDN4020-1R2MC	1.2 ± 20%	100	0.035	2.16	5.98
SDN4020-1R5MC	1.5 ± 20%	100	0.048	1.86	5.23
SDN4020-1R8MC	1.8 ± 20%	100	0.051	1.74	4.77
SDN4020-2R2MC	2.2 ± 20%	100	0.061	1.63	4.33
SDN4020-3R3MC	3.3 ± 20%	100	0.089	1.36	3.55
SDN4020-4R7MC	4.7 ± 20%	100	0.108	1.23	3.11
SDN4020-6R8MC	6.8 ± 20%	100	0.163	1.00	2.54
SDN4020-8R2MC	8.2 ± 20%	100	0.194	0.92	2.40
SDN4020-100MC	10 ± 20%	100	0.220	0.86	2.20
SDN4020-120MC	12 ± 20%	100	0.280	0.76	1.95
SDN4020-150MC	15 ± 20%	100	0.392	0.65	1.73
SDN4020-180MC	18 ± 20%	100	0.439	0.61	1.56
SDN4020-220MC	22 ± 20%	100	0.670	0.49	1.41
SDN4020-330MC	33 ± 20%	100	0.840	0.44	1.16
SDN4020-470MC	47 ± 20%	100	1.080	0.39	1.00
SDN4020-680MC	68 ± 20%	100	1.550	0.32	0.80

NOTES:

I_{sat} : DC current at which the inductance drops approximately 30% from its value without current.

I_{rms} : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient