

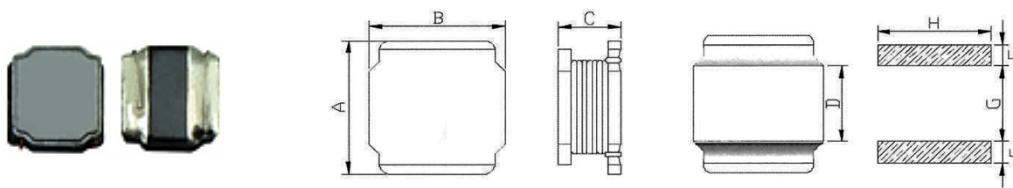
### Features

- 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	
SDN4012	4.0 ± 0.3	4.0 ± 0.3	1.40	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 <sub>rms</sub> (A)	I <sub>sat</sub> (A)
SDN4012-1R0MC	1.0 ± 20%	100	0.080	1.45	3.74
SDN4012-1R5MC	1.5 ± 20%	100	0.097	1.32	3.16
SDN4012-1R8MC	1.8 ± 20%	100	0.116	1.20	2.85
SDN4012-3R3MC	3.3 ± 20%	100	0.155	1.04	2.32
SDN4012-4R7MC	4.7 ± 20%	100	0.197	0.92	1.98
SDN4012-6R8MC	6.8 ± 20%	100	0.322	0.72	1.60
SDN4012-8R2MC	8.2 ± 20%	100	0.375	0.67	1.40
SDN4012-100MC	10 ± 20%	100	0.440	0.62	1.31
SDN4012-120MC	12 ± 20%	100	0.473	0.60	1.23
SDN4012-150MC	15 ± 20%	100	0.602	0.53	1.09
SDN4012-180MC	18 ± 20%	100	0.704	0.49	1.00
SDN4012-220MC	22 ± 20%	100	0.949	0.42	0.89
SDN4012-330MC	33 ± 20%	100	1.435	0.34	0.71
SDN4012-470MC	47 ± 20%	100	1.869	0.30	0.61

#### NOTES:

I<sub>sat</sub> : DC current at which the inductance drops approximately 30% from its value without current.

I<sub>rms</sub> : DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient