

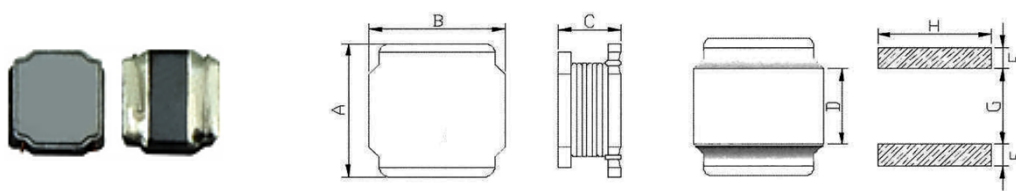
Features

- 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	
SDN3012	3.0 ± 0.3	3.0 ± 0.3	1.40	1.5 ± 0.2	0.80	1.50	2.70	

Electrical Characteristics

Part No.	Inductance (uH)	Measuring Freq. (KHz)	D.C.R max. (Ω)	I _{rms} (A)	I _{sat} (A)
SDN3012-1R0MC	1.0 ± 20%	100	0.054	1.59	2.93
SDN3012-2R2MC	2.2 ± 20%	100	0.116	1.08	2.02
SDN3012-3R3MC	3.3 ± 20%	100	0.197	0.83	1.62
SDN3012-3R9MC	3.9 ± 20%	100	0.212	0.80	1.49
SDN3012-4R7MC	4.7 ± 20%	100	0.254	0.73	1.36
SDN3012-5R6MC	5.6 ± 20%	100	0.272	0.71	1.28
SDN3012-6R8MC	6.8 ± 20%	100	0.324	0.65	1.16
SDN3012-100MC	10 ± 20%	100	0.454	0.55	0.95
SDN3012-120MC	12 ± 20%	100	0.603	0.48	0.84
SDN3012-150MC	15 ± 20%	100	0.786	0.41	0.75
SDN3012-180MC	18 ± 20%	100	0.914	0.39	0.68
SDN3012-220MC	22 ± 20%	100	1.036	0.36	0.62
SDN3012-330MC	33 ± 20%	100	1.374	0.32	0.50
SDN3012-470MC	47 ± 20%	100	2.136	0.25	0.44

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