

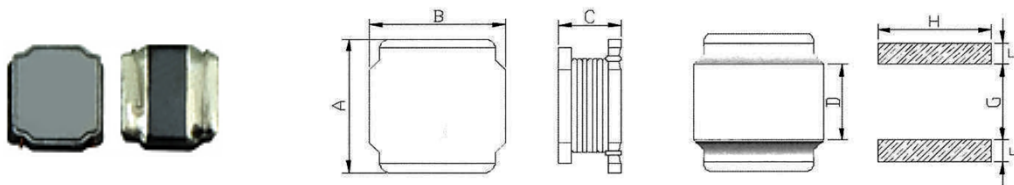
### Features

- 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	
SDN3015	3.0 ± 0.3	3.0 ± 0.3	1.70	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 <sub>rms</sub> (A)	I <sub>sat</sub> (A)
SDN3015-1R0MC	1.0 ± 20%	100	0.048	1.85	3.27
SDN3015-1R2MC	1.2 ± 20%	100	0.063	1.61	2.84
SDN3015-1R5MC	1.5 ± 20%	100	0.072	1.51	2.60
SDN3015-1R8MC	1.8 ± 20%	100	0.082	1.41	2.32
SDN3015-2R2MC	2.2 ± 20%	100	0.107	1.24	2.07
SDN3015-3R3MC	3.3 ± 20%	100	0.139	1.09	1.79
SDN3015-3R9MC	3.9 ± 20%	100	0.175	0.97	1.62
SDN3015-4R7MC	4.7 ± 20%	100	0.247	0.82	1.44
SDN3015-5R6MC	5.6 ± 20%	100	0.256	0.79	1.37
SDN3015-6R8MC	6.8 ± 20%	100	0.303	0.73	1.24
SDN3015-100MC	10 ± 20%	100	0.393	0.65	1.06
SDN3015-120MC	12 ± 20%	100	0.541	0.55	0.90
SDN3015-150MC	15 ± 20%	100	0.624	0.50	0.82
SDN3015-180MC	18 ± 20%	100	0.678	0.50	0.75
SDN3015-220MC	22 ± 20%	100	0.916	0.42	0.70
SDN3015-330MC	33 ± 20%	100	1.387	0.34	0.56
SDN3015-470MC	47 ± 20%	100	1.736	0.31	0.48

#### 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