

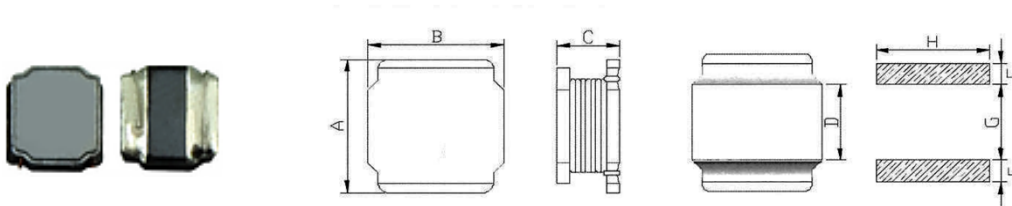
### Features

- 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.

### Shape and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C max.	D	F	G	H
SDN6045	6.0 ± 0.3	6.0 ± 0.3	4.50	2.9 ± 0.2	1.60	2.80	5.70

### Electrical Characteristics

Part No.	Inductance (uH)	Measuring Freq. (KHz)	D.C.R max. (Ω)	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)
SDN6045-1R0MC	1.0 ± 20%	100	0.012	4.86	11.13
SDN6045-1R8MC	1.8 ± 20%	100	0.017	4.17	8.38
SDN6045-2R2MC	2.2 ± 20%	100	0.019	3.89	7.55
SDN6045-4R7MC	4.7 ± 20%	100	0.035	2.85	5.18
SDN6045-5R6MC	5.6 ± 20%	100	0.038	2.73	4.84
SDN6045-100MC	10 ± 20%	100	0.071	2.02	3.56
SDN6045-120MC	12 ± 20%	100	0.084	1.85	3.32
SDN6045-150MC	15 ± 20%	100	0.100	1.70	2.95
SDN6045-180MC	18 ± 20%	100	0.110	1.61	2.74
SDN6045-220MC	22 ± 20%	100	0.126	1.51	2.45
SDN6045-270MC	27 ± 20%	100	0.169	1.30	2.18
SDN6045-330MC	33 ± 20%	100	0.226	1.13	2.03
SDN6045-390MC	39 ± 20%	100	0.253	1.06	1.80
SDN6045-470MC	47 ± 20%	100	0.293	0.99	1.66
SDN6045-680MC	68 ± 20%	100	0.415	0.83	1.39
SDN6045-820MC	82 ± 20%	100	0.524	0.74	1.29
SDN6045-101MC	100 ± 20%	100	0.607	0.69	1.14

#### 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