

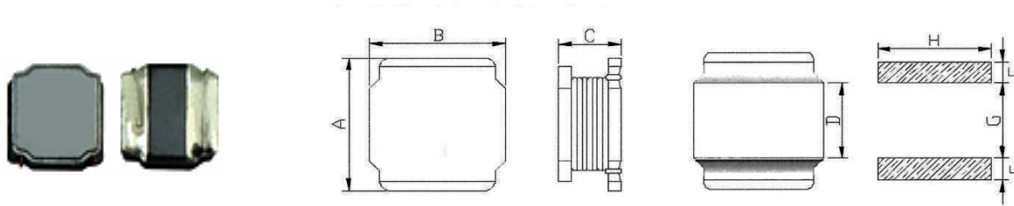
### Features

- 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	
SDN4030	4.0 ± 0.3	4.0 ± 0.3	3.00	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)
SDN4030-1R2MC	1.2 ± 20%	100	0.024	3.18	6.83
SDN4030-1R5MC	1.5 ± 20%	100	0.028	2.97	6.13
SDN4030-1R8MC	1.8 ± 20%	100	0.032	2.75	5.62
SDN4030-2R2MC	2.2 ± 20%	100	0.036	2.63	5.03
SDN4030-3R3MC	3.3 ± 20%	100	0.064	1.97	4.16
SDN4030-4R7MC	4.7 ± 20%	100	0.076	1.81	3.64
SDN4030-6R8MC	6.8 ± 20%	100	0.111	1.45	2.89
SDN4030-8R2MC	8.2 ± 20%	100	0.143	1.32	2.68
SDN4030-100MC	10 ± 20%	100	0.160	1.24	2.48
SDN4030-120MC	12 ± 20%	100	0.194	1.13	2.20
SDN4030-150MC	15 ± 20%	100	0.247	1.00	1.99
SDN4030-180MC	18 ± 20%	100	0.289	0.92	1.82
SDN4030-220MC	22 ± 20%	100	0.350	0.84	1.56
SDN4030-330MC	33 ± 20%	100	0.517	0.69	1.35
SDN4030-470MC	47 ± 20%	100	0.713	0.59	1.12

#### 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