

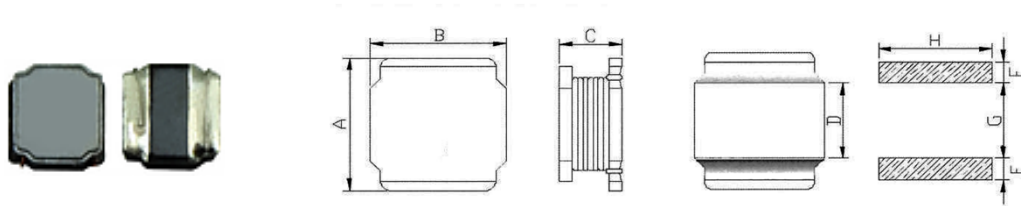
Features

- 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 : 1,500 pcs/reel

Type	A	B	C max.	D	F	G	H	
SDN6028	6.0 ± 0.3	6.0 ± 0.3	2.80	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 _{rms} (A)	I _{sat} (A)
SDN6028-1R2MC	1.2 ± 20%	100	0.016	4.58	8.40
SDN6028-1R5MC	1.5 ± 20%	100	0.019	4.09	7.14
SDN6028-2R2MC	2.2 ± 20%	100	0.023	3.75	6.19
SDN6028-3R3MC	3.3 ± 20%	100	0.034	3.08	4.89
SDN6028-8R2MC	8.2 ± 20%	100	0.077	2.05	3.12
SDN6028-100MC	10 ± 20%	100	0.101	1.79	2.81
SDN6028-120MC	12 ± 20%	100	0.119	1.64	2.54
SDN6028-150MC	15 ± 20%	100	0.137	1.53	2.29
SDN6028-180MC	18 ± 20%	100	0.163	1.40	2.13
SDN6028-220MC	22 ± 20%	100	0.196	1.28	1.90
SDN6028-330MC	33 ± 20%	100	0.287	1.06	1.51
SDN6028-470MC	47 ± 20%	100	0.409	0.89	1.32
SDN6028-680MC	68 ± 20%	100	0.588	0.73	1.09

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