

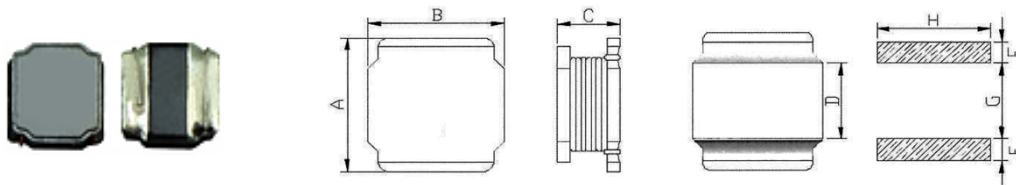
Features

- 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	
SDN8040	8.0 ± 0.3	8.0 ± 0.3	4.20	4.0 ± 0.2	2.20	3.60	7.50	

Electrical Characteristics

Part No.	Inductance (uH)	Measuring Freq. (KHz)	D.C.R max. (Ω)	I _{rms} (A)	I _{sat} (A)
SDN8040-1R2MC	1.2 ± 20%	100	0.012	5.65	13.30
SDN8040-1R8MC	1.8 ± 20%	100	0.014	5.15	11.40
SDN8040-2R2MC	2.2 ± 20%	100	0.017	4.70	9.65
SDN8040-3R3MC	3.3 ± 20%	100	0.020	4.35	8.55
SDN8040-3R9MC	3.9 ± 20%	100	0.023	4.05	7.75
SDN8040-4R7MC	4.7 ± 20%	100	0.026	3.85	7.00
SDN8040-5R6MC	5.6 ± 20%	100	0.029	3.60	6.50
SDN8040-6R8MC	6.8 ± 20%	100	0.032	3.45	5.95
SDN8040-8R2MC	8.2 ± 20%	100	0.036	3.30	5.55
SDN8040-100MC	10 ± 20%	100	0.052	2.70	4.78
SDN8040-120MC	12 ± 20%	100	0.056	2.60	4.48
SDN8040-150MC	15 ± 20%	100	0.065	2.40	4.00
SDN8040-180MC	18 ± 20%	100	0.084	2.10	3.60
SDN8040-220MC	22 ± 20%	100	0.095	2.00	3.33
SDN8040-270MC	27 ± 20%	100	0.116	1.80	3.03
SDN8040-330MC	33 ± 20%	100	0.138	1.65	2.73
SDN8040-390MC	39 ± 20%	100	0.163	1.55	2.50
SDN8040-470MC	47 ± 20%	100	0.226	1.30	2.20
SDN8040-560MC	56 ± 20%	100	0.236	1.25	2.12
SDN8040-680MC	68 ± 20%	100	0.332	1.05	1.80

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