

SMT Power Inductor > Non-Shielded > SDN3010

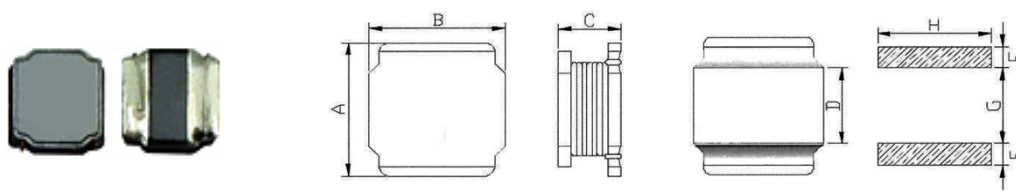
Features

- 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	
SDN3010	3.0 ± 0.3	3.0 ± 0.3	1.20	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 _{rms} (A)	I _{sat} (A)	SRF Min. (MHz)
SDN3010-1R2MC	1.2 ± 20%	100	0.106	1.14	2.25	170
SDN3010-1R5MC	1.5 ± 20%	100	0.126	1.05	2.02	140
SDN3010-1R8MC	1.8 ± 20%	100	0.140	1.00	1.75	110
SDN3010-2R2MC	2.2 ± 20%	100	0.162	0.90	1.64	100
SDN3010-2R7MC	2.7 ± 20%	100	0.186	0.85	1.51	91
SDN3010-3R3MC	3.3 ± 20%	100	0.219	0.80	1.37	85
SDN3010-3R9MC	3.9 ± 20%	100	0.273	0.70	1.24	77
SDN3010-4R7MC	4.7 ± 20%	100	0.315	0.65	1.16	70
SDN3010-5R6MC	5.6 ± 20%	100	0.397	0.60	1.04	63
SDN3010-6R8MC	6.8 ± 20%	100	0.497	0.50	0.92	56
SDN3010-100MC	10 ± 20%	100	0.631	0.45	0.75	43
SDN3010-120MC	12 ± 20%	100	0.718	0.40	0.70	41
SDN3010-150MC	15 ± 20%	100	0.926	0.35	0.62	36
SDN3010-180MC	18 ± 20%	100	1.272	0.30	0.56	32
SDN3010-220MC	22 ± 20%	100	1.330	0.30	0.52	30

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