

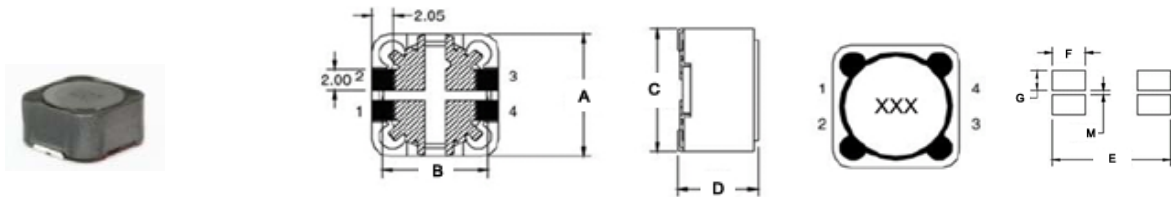
Features

- Excellent solderability and high heat resistance.
- Takes up less PCB real estate and save more power
- Packed in carrier tape and suitable for Surface Mounting Machine.
- Magnetic shielded type against radiation

Applications

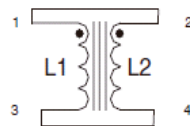
- Ideally used in Notebook PC, LCD TV, Game machine, STB, Projector etc. as DC-DC convertor inductors.

Shapes and Dimensions

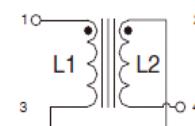


■ ELECTRICAL SCHEMATIC

1. Parallel Mode



2. Series Mode



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	F	G	M
SDRH127SMN	12.5 Max	10	12.5 Max.	8.0 Max	13.8	3.85	2.5	0.5

Electrical Characteristics

Part Number	Inductance (μH)	1. D.C.R (Ω) max. (at 20°C)	1. Rated Current (A)	2. D.C.R (Ω) max. (at 20°C)	2. Rated Current (A)
SDRH127SMN-R47MC	0.47 ± 20%	0.002	17.90	0.008	8.94
SDRH127SMN-1R0MC	1.0 ± 20%	0.003	15.50	0.010	7.74
SDRH127SMN-1R5MC	1.5 ± 20%	0.003	13.50	0.014	6.77
SDRH127SMN-2R2MC	2.2 ± 20%	0.004	12.50	0.016	6.23
SDRH127SMN-3R3MC	3.3 ± 20%	0.006	10.40	0.023	5.23
SDRH127SMN-4R7MC	4.7 ± 20%	0.009	8.25	0.037	4.13
SDRH127SMN-6R8MC	6.8 ± 20%	0.012	7.34	0.047	3.67
SDRH127SMN-8R2MC	8.2 ± 20%	0.016	6.32	0.063	3.16
SDRH127SMN-100MC	10 ± 20%	0.022	6.04	0.089	3.02
SDRH127SMN-150MC	15 ± 20%	0.025	5.03	0.099	2.51
SDRH127SMN-220MC	22 ± 20%	0.039	4.00	0.157	2.00
SDRH127SMN-330MC	33 ± 20%	0.066	3.23	0.258	1.61
SDRH127SMN-470MC	47 ± 20%	0.072	2.95	0.288	1.47
SDRH127SMN-680MC	68 ± 20%	0.105	2.44	0.421	1.22
SDRH127SMN-820MC	82 ± 20%	0.143	2.09	0.573	1.04
SDRH127SMN-101MC	100 ± 20%	0.163	1.96	0.653	0.98
SDRH127SMN-151MC	150 ± 20%	0.247	1.59	0.989	0.80
SDRH127SMN-221MC	220 ± 20%	0.376	1.29	1.500	0.65
SDRH127SMN-331MC	330 ± 20%	0.574	1.04	2.300	0.52
SDRH127SMN-471MC	470 ± 20%	0.861	0.85	3.440	0.43
SDRH127SMN-681MC	680 ± 20%	1.080	0.76	4.320	0.38
SDRH127SMN-821MC	820 ± 20%	1.470	0.65	5.880	0.33
SDRH127SMN-102MC	1,000 ± 20%	1.660	0.61	6.640	0.31

NOTES:

Isat: DC current at which the inductance drops approximately 35% from its value without current.

Irms: DC current that causes the temperature rise (ΔT=40°C) from 20°C ambient