

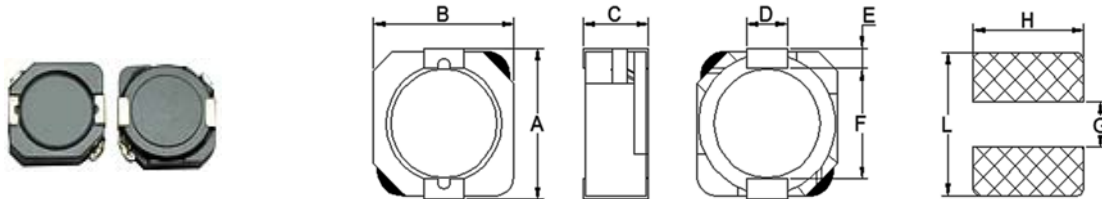
Features

- 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, Game machine, HDD, DVC, LCD TV etc.. DC-DC converter inductors.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH105R	10.2 ± 0.3	10.0 ± 0.3	4.8 ± 0.3	3.0	1.2	10.7	7.3	3.6

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R (Ω) Max.	Isat (A) Max.	Irms (A) Max.
SDRH105R-0R8NC	0.8 ± 30%	100	0.004	13.50	9.50
SDRH105R-1R5NC	1.5 ± 30%	100	0.006	10.50	8.30
SDRH105R-2R2NC	2.2 ± 30%	100	0.007	9.25	7.50
SDRH105R-3R3NC	3.3 ± 30%	100	0.010	7.80	6.50
SDRH105R-4R7NC	4.7 ± 30%	100	0.012	6.40	6.10
SDRH105R-6R8NC	6.8 ± 30%	100	0.018	5.40	5.40
SDRH105R-8R2NC	8.2 ± 30%	100	0.020	4.85	5.00
SDRH105R-100NC	10 ± 30%	100	0.026	4.45	4.50
SDRH105R-120NC	12 ± 30%	100	0.033	4.00	3.80
SDRH105R-150NC	15 ± 30%	100	0.041	3.60	3.40
SDRH105R-180NC	18 ± 30%	100	0.046	3.20	3.10
SDRH105R-220NC	22 ± 30%	100	0.061	2.95	2.90
SDRH105R-270NC	27 ± 30%	100	0.069	2.70	2.60
SDRH105R-330NC	33 ± 30%	100	0.084	2.40	2.50
SDRH105R-390NC	39 ± 30%	100	0.106	2.30	2.25
SDRH105R-470NC	47 ± 30%	100	0.130	2.00	2.00
SDRH105R-560NC	56 ± 30%	100	0.149	1.90	1.90
SDRH105R-680NC	68 ± 30%	100	0.201	1.65	1.60
SDRH105R-820NC	82 ± 30%	100	0.227	1.50	1.45
SDRH105R-101MC	100 ± 20%	100	0.253	1.35	1.35
SDRH105R-121MC	120 ± 20%	100	0.303	1.28	1.18
SDRH105R-151MC	150 ± 20%	100	0.370	1.12	1.10
SDRH105R-181MC	180 ± 20%	100	0.419	1.04	1.00
SDRH105R-221MC	220 ± 20%	100	0.500	0.94	0.94
SDRH105R-271MC	270 ± 20%	100	0.672	0.84	0.80
SDRH105R-331MC	330 ± 20%	100	0.812	0.75	0.73
SDRH105R-391MC	390 ± 20%	100	0.953	0.70	0.70
SDRH105R-471MC	470 ± 20%	100	1.289	0.60	0.54
SDRH105R-561MC	560 ± 20%	100	1.430	0.54	0.52
SDRH105R-681MC	680 ± 20%	100	1.599	0.52	0.51
SDRH105R-821MC	820 ± 20%	100	1.768	0.50	0.48
SDRH105R-102MC	1,000 ± 20%	100	1.989	0.48	0.42

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