

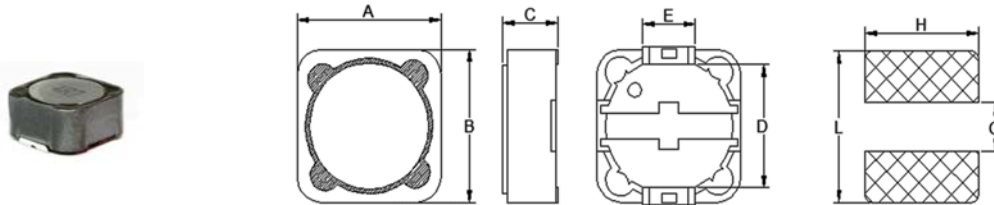
Features

- 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



Packing Q'ty : 350 pcs/reel

Type	A	B	C	D	E	L	G	H
SDRH129	12.0 ± 0.3	12.0 ± 0.3	10.0 Max.	7.6 ± 0.2	5.0	12.6	7.0	5.4

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH129-1R0NC	1.0 ± 30%	100	0.006	19.90	11.60
SDRH129-1R8NC	1.8 ± 30%	100	0.007	13.40	11.00
SDRH129-2R5NC	2.5 ± 30%	100	0.008	12.16	10.30
SDRH129-3R5NC	3.5 ± 30%	100	0.010	12.00	8.70
SDRH129-4R7NC	4.7 ± 30%	100	0.011	10.08	8.40
SDRH129-6R8NC	6.8 ± 30%	100	0.013	8.56	7.10
SDRH129-7R5NC	7.5 ± 30%	100	0.014	8.48	6.80
SDRH129-100MC	10 ± 20%	1	0.018	7.12	6.95
SDRH129-120MC	12 ± 20%	1	0.019	7.04	6.20
SDRH129-150MC	15 ± 20%	1	0.026	5.84	5.22
SDRH129-180MC	18 ± 20%	1	0.028	5.48	5.08
SDRH129-220MC	22 ± 20%	1	0.029	5.12	4.95
SDRH129-270MC	27 ± 20%	1	0.042	4.68	4.27
SDRH129-330MC	33 ± 20%	1	0.053	4.25	3.60
SDRH129-390MC	39 ± 20%	1	0.058	3.92	3.52
SDRH129-470MC	47 ± 20%	1	0.063	3.60	3.45
SDRH129-560MC	56 ± 20%	1	0.068	2.85	2.95
SDRH129-680MC	68 ± 20%	1	0.093	2.76	2.85
SDRH129-820MC	82 ± 20%	1	0.099	2.62	2.60
SDRH129-101MC	100 ± 20%	1	0.126	2.31	2.45
SDRH129-121MC	120 ± 20%	1	0.154	2.05	2.20
SDRH129-151MC	150 ± 20%	1	0.174	1.80	1.90
SDRH129-181MC	180 ± 20%	1	0.191	1.66	1.86

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

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDRH129-221MC	220 ± 20%	1	0.246	1.64	1.72
SDRH129-271MC	270 ± 20%	1	0.314	1.46	1.50
SDRH129-331MC	330 ± 20%	1	0.386	1.28	1.28
SDRH129-391MC	390 ± 20%	1	0.428	1.17	1.26
SDRH129-471MC	470 ± 20%	1	0.471	1.06	1.25
SDRH129-561MC	560 ± 20%	1	0.650	1.01	0.98
SDRH129-681MC	680 ± 20%	1	0.730	0.83	0.96
SDRH129-821MC	820 ± 20%	1	0.824	0.81	0.94
SDRH129-102MC	1,000 ± 20%	1	1.220	0.70	0.76
SDRH129-122MC	1,200 ± 20%	1	1.330	0.64	0.69
SDRH129-152MC	1,500 ± 20%	1	1.990	0.56	0.58
SDRH129-182MC	1,800 ± 20%	1	2.180	0.48	0.54
SDRH129-222MC	2,200 ± 20%	1	2.580	0.43	0.52

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