

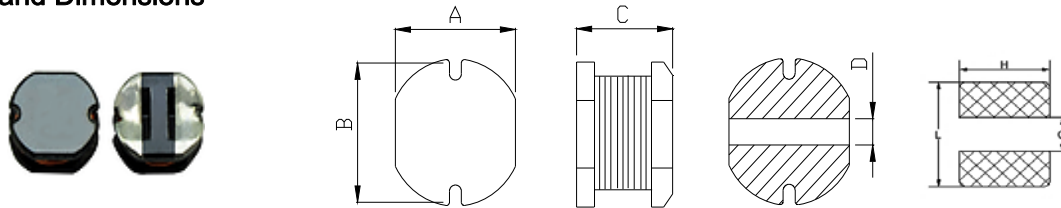
Features

- Excellent solderability and high heat resistance.
- Excellent terminal strength construction.
- Surface mount inductor with high current rating.
- Packed in embossed carrier tape suitable for automation mount machine.

Applications

- Ideally used in Mobilephone, PDA, MP3 DVC, Portable DVD etc.. as DC-DC converter inductors.

Shapes and Dimensions



Packing Q'ty : 500 pcs/reel

Type	A	B	C	D	L	G	H
SD105	9.0 ± 0.3	10.0 ± 0.3	5.4 ± 0.3	2.9	11.0	2.5	9.5

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated (A) max.
SD105-2R2MC	2.2 ± 20%	100	0.013	7.50
SD105-3R3MC	3.3 ± 20%	100	0.015	6.50
SD105-4R7MC	4.7 ± 20%	100	0.020	5.50
SD105-5R6MC	5.6 ± 20%	100	0.025	5.00
SD105-6R8MC	6.8 ± 20%	100	0.030	4.20
SD105-8R2MC	8.2 ± 20%	100	0.050	3.50
SD105-100MC	10 ± 20%	100	0.060	2.60
SD105-120MC	12 ± 20%	100	0.070	2.45
SD105-150MC	15 ± 20%	100	0.080	2.27
SD105-180MC	18 ± 20%	100	0.090	2.15
SD105-220MC	22 ± 20%	100	0.100	1.95
SD105-270MC	27 ± 20%	100	0.110	1.76
SD105-330MC	33 ± 20%	100	0.120	1.50
SD105-390MC	39 ± 20%	100	0.140	1.37
SD105-470MC	47 ± 20%	100	0.170	1.28
SD105-560MC	56 ± 20%	100	0.190	1.17
SD105-680MC	68 ± 20%	100	0.220	1.11
SD105-820MC	82 ± 20%	100	0.250	1.00
SD105-101KC	100 ± 10%	100	0.350	0.97
SD105-121KC	120 ± 10%	100	0.400	0.89
SD105-151KC	150 ± 10%	100	0.470	0.78
SD105-181KC	180 ± 10%	100	0.630	0.72
SD105-221KC	220 ± 10%	100	0.730	0.66
SD105-271KC	270 ± 10%	100	0.970	0.57
SD105-331KC	330 ± 10%	100	1.150	0.52
SD105-391KC	390 ± 10%	100	1.300	0.48
SD105-471KC	470 ± 10%	100	1.480	0.42
SD105-561KC	560 ± 10%	100	1.900	0.33
SD105-681KC	680 ± 10%	100	2.250	0.37
SD105-821KC	820 ± 10%	100	2.550	0.35
SD105-102KC	1,000 ± 10%	100	2.700	0.32

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