

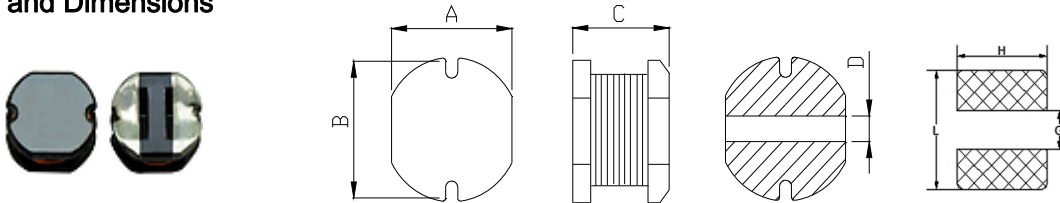
Features

- 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 : 1,500 pcs/reel

Type	A	B	C	D	L	G	H
SD54	5.2 ± 0.3	5.8 ± 0.3	4.5 ± 0.3	1.6	6.5	1.5	5.5

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated (A) max.
SD54-1R0MC	1.0 ± 20%	100	0.015	5.90
SD54-1R2MC	1.2 ± 20%	100	0.020	5.20
SD54-1R5MC	1.5 ± 20%	100	0.025	4.70
SD54-1R8MC	1.8 ± 20%	100	0.030	4.00
SD54-2R2MC	2.2 ± 20%	100	0.035	3.80
SD54-2R7MC	2.7 ± 20%	100	0.040	3.40
SD54-3R3MC	3.3 ± 20%	100	0.045	3.30
SD54-3R9MC	3.9 ± 20%	100	0.050	2.90
SD54-4R7MC	4.7 ± 20%	100	0.060	2.80
SD54-5R6MC	5.6 ± 20%	100	0.070	2.40
SD54-6R8MC	6.8 ± 20%	100	0.080	2.10
SD54-8R2MC	8.2 ± 20%	100	0.090	2.00
SD54-100MC	10 ± 20%	100	0.100	1.44
SD54-120MC	12 ± 20%	100	0.120	1.40
SD54-150MC	15 ± 20%	100	0.140	1.30
SD54-180MC	18 ± 20%	100	0.150	1.23
SD54-220MC	22 ± 20%	100	0.180	1.11
SD54-270MC	27 ± 20%	100	0.200	0.97
SD54-330MC	33 ± 20%	100	0.230	0.88
SD54-390MC	39 ± 20%	100	0.320	0.80
SD54-470MC	47 ± 20%	100	0.370	0.72
SD54-560MC	56 ± 20%	100	0.420	0.68
SD54-680MC	68 ± 20%	100	0.460	0.61
SD54-820MC	82 ± 20%	100	0.600	0.58
SD54-101KC	100 ± 10%	100	0.700	0.52
SD54-121KC	120 ± 10%	100	0.930	0.48
SD54-151KC	150 ± 10%	100	1.100	0.40
SD54-181KC	180 ± 10%	100	1.380	0.38
SD54-221KC	220 ± 10%	100	1.570	0.35
SD54-271KC	270 ± 10%	100	1.650	0.32
SD54-331KC	330 ± 10%	100	1.700	0.28
SD54-391KC	390 ± 10%	100	1.800	0.26
SD54-471KC	470 ± 10%	100	2.300	0.23
SD54-561KC	560 ± 10%	100	2.500	0.20
SD54-681KC	680 ± 10%	100	3.000	0.19
SD54-821KC	820 ± 10%	100	4.500	0.16
SD54-102KC	1,000 ± 10%	100	4.800	0.14

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