

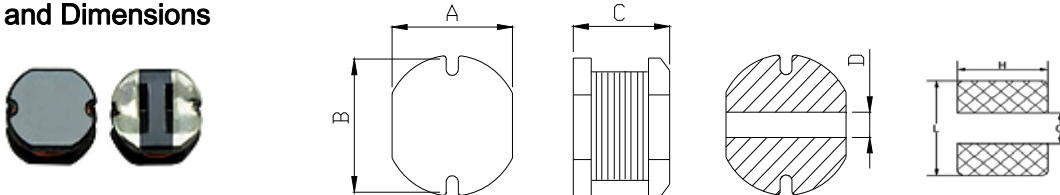
Features

- 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 : 2,000 pcs/reel

Type	A	B	C	D	L	G	H
SD43	4.0 ± 0.3	4.5 ± 0.3	3.2 ± 0.3	1.4	5.0	1.2	4.5

Electrical Characteristics

Part Number	Inductance (µH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated (A) max.
SD43-1R0MC	1.0 ± 20%	100	0.033	3.80
SD43-1R5MC	1.5 ± 20%	100	0.038	3.30
SD43-1R8MC	1.8 ± 20%	100	0.042	2.91
SD43-2R2MC	2.2 ± 20%	100	0.047	2.60
SD43-2R7MC	2.7 ± 20%	100	0.052	2.43
SD43-3R3MC	3.3 ± 20%	100	0.058	2.15
SD43-3R9MC	3.9 ± 20%	100	0.076	1.98
SD43-4R7MC	4.7 ± 20%	100	0.094	1.70
SD43-5R6MC	5.6 ± 20%	100	0.101	1.60
SD43-6R8MC	6.8 ± 20%	100	0.117	1.41
SD43-8R2MC	8.2 ± 20%	100	0.132	1.26
SD43-100MC	10 ± 20%	100	0.182	1.15
SD43-120MC	12 ± 20%	100	0.210	1.05
SD43-150MC	15 ± 20%	100	0.235	0.92
SD43-180MC	18 ± 20%	100	0.338	0.84
SD43-220MC	22 ± 20%	100	0.378	0.76
SD43-270MC	27 ± 20%	100	0.522	0.71
SD43-330MC	33 ± 20%	100	0.540	0.64
SD43-390MC	39 ± 20%	100	0.587	0.59
SD43-470MC	47 ± 20%	100	0.844	0.54
SD43-560MC	56 ± 20%	100	0.937	0.50
SD43-680MC	68 ± 20%	100	1.117	0.46
SD43-820MC	82 ± 20%	100	1.345	0.45
SD43-101KC	100 ± 10%	100	1.520	0.44
SD43-121KC	120 ± 10%	100	1.800	0.43
SD43-151KC	150 ± 10%	100	2.000	0.42
SD43-181KC	180 ± 10%	100	3.200	0.38
SD43-221KC	220 ± 10%	100	3.400	0.36
SD43-271KC	270 ± 10%	100	3.900	0.34
SD43-331KC	330 ± 10%	100	5.300	0.28
SD43-391KC	390 ± 10%	100	5.900	0.24
SD43-471KC	470 ± 10%	100	6.800	0.21
SD43-561KC	560 ± 10%	100	8.500	0.20
SD43-681KC	680 ± 10%	100	10.000	0.18
SD43-821KC	820 ± 10%	100	13.400	0.15
SD43-102KC	1,000 ± 10%	100	15.600	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