ORITAC

SMT Power Inductor > Non-Shielded > SD75

2022

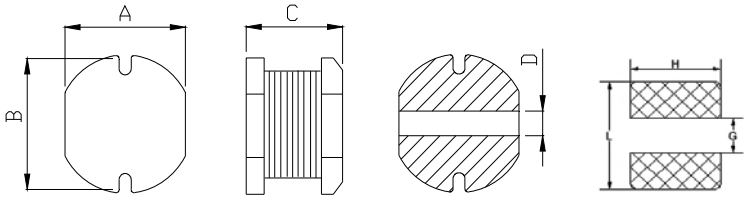
Features

- 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

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

Shapes and Dimensions



Packing Q'ty : 1,000 pcs/reel

Type	A	B	C	D	L	G	H
SD75	7.0 ± 0.3	7.8 ± 0.3	5.0 ± 0.3	2.4	9.2	2.1	7.5

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated (A) max.
SD75-1R0MC	1.0 ± 20%	100	0.030	11.20
SD75-1R2MC	1.2 ± 20%	100	0.030	9.87
SD75-1R5MC	1.5 ± 20%	100	0.040	8.35
SD75-1R8MC	1.8 ± 20%	100	0.040	7.12
SD75-2R2MC	2.2 ± 20%	100	0.050	6.52
SD75-2R7MC	2.7 ± 20%	100	0.060	6.06
SD75-3R3MC	3.3 ± 20%	100	0.060	5.26
SD75-3R9MC	3.9 ± 20%	100	0.060	4.68
SD75-4R7MC	4.7 ± 20%	100	0.070	4.54
SD75-5R6MC	5.6 ± 20%	100	0.070	4.25
SD75-6R8MC	6.8 ± 20%	100	0.070	3.45
SD75-8R2MC	8.2 ± 20%	100	0.070	3.10
SD75-100MC	10 ± 20%	100	0.070	2.30
SD75-120MC	12 ± 20%	100	0.080	2.00
SD75-150MC	15 ± 20%	100	0.090	1.80
SD75-180MC	18 ± 20%	100	0.100	1.60
SD75-220MC	22 ± 20%	100	0.110	1.50
SD75-270MC	27 ± 20%	100	0.120	1.30
SD75-330MC	33 ± 20%	100	0.130	1.20
SD75-390MC	39 ± 20%	100	0.160	1.10
SD75-470MC	47 ± 20%	100	0.180	1.10
SD75-560MC	56 ± 20%	100	0.240	0.94
SD75-680MC	68 ± 20%	100	0.280	0.85
SD75-820MC	82 ± 20%	100	0.370	0.78
SD75-101KC	100 ± 10%	100	0.430	0.72
SD75-121KC	120 ± 10%	100	0.470	0.66
SD75-151KC	150 ± 10%	100	0.640	0.58
SD75-181KC	180 ± 10%	100	0.710	0.51
SD75-221KC	220 ± 10%	100	0.960	0.49
SD75-271KC	270 ± 10%	100	1.110	0.42
SD75-331KC	330 ± 10%	100	1.260	0.40
SD75-391KC	390 ± 10%	100	1.770	0.36
SD75-471KC	470 ± 10%	100	1.960	0.34
SD75-561KC	560 ± 10%	100	2.000	0.33
SD75-681KC	680 ± 10%	100	2.200	0.32
SD75-821KC	820 ± 10%	100	2.900	0.25
SD75-102KC	1,000 ± 10%	100	3.600	0.23

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