

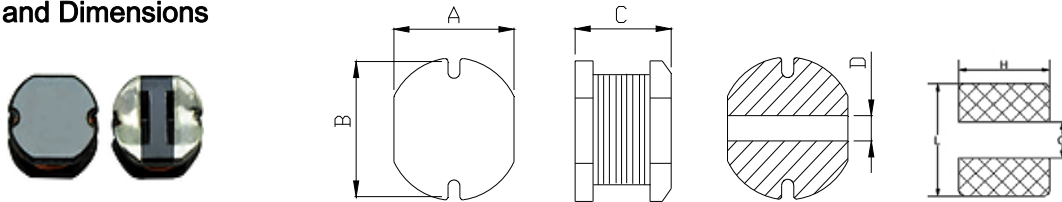
Features

- 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 : pcs/reel

Type	A	B	C	D	L	G	H
SD137	13.0 ± 0.3	13.0 ± 0.3	7.0 ± 0.3	5.0	15.0	4.5	13.7

Electrical Characteristics

Part Number	Inductance (μH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Rated (A) max.
SD137-1R5MC	1.5 ± 20%	100	0.006	9.70
SD137-2R2MC	2.2 ± 20%	100	0.007	9.20
SD137-2R7MC	2.7 ± 20%	100	0.008	8.40
SD137-3R3MC	3.3 ± 20%	100	0.009	7.70
SD137-4R7MC	4.7 ± 20%	100	0.010	7.20
SD137-5R6MC	5.6 ± 20%	100	0.015	6.70
SD137-6R8MC	6.8 ± 20%	100	0.017	6.20
SD137-8R2MC	8.2 ± 20%	100	0.019	6.00
SD137-100MC	10 ± 20%	100	0.021	5.80
SD137-120MC	12 ± 20%	100	0.030	5.10
SD137-150MC	15 ± 20%	100	0.034	4.70
SD137-180MC	18 ± 20%	100	0.036	4.40
SD137-220MC	22 ± 20%	100	0.047	3.80
SD137-270MC	27 ± 20%	100	0.060	3.50
SD137-330MC	33 ± 20%	100	0.065	3.20
SD137-390MC	39 ± 20%	100	0.075	3.00
SD137-470MC	47 ± 20%	100	0.082	2.80
SD137-560MC	56 ± 20%	100	0.095	2.60
SD137-680MC	68 ± 20%	100	0.120	2.40
SD137-820MC	82 ± 20%	100	0.140	2.20
SD137-101KC	100 ± 10%	100	0.180	2.00
SD137-121KC	120 ± 10%	100	0.210	1.80
SD137-151KC	150 ± 10%	100	0.250	1.60
SD137-181KC	180 ± 10%	100	0.280	1.50
SD137-221KC	220 ± 10%	100	0.360	1.30
SD137-271KC	270 ± 10%	100	0.410	1.20
SD137-331KC	330 ± 10%	100	0.520	1.10
SD137-391KC	390 ± 10%	100	0.600	1.00
SD137-471KC	470 ± 10%	100	0.720	0.90
SD137-561KC	560 ± 10%	100	0.880	0.85
SD137-681KC	680 ± 10%	100	1.000	0.80
SD137-821KC	820 ± 10%	100	1.300	0.75
SD137-102KC	1,000 ± 10%	100	1.600	0.65

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