



■ Features:

- Smallest size and high performance
- High energy storage and very low resistance

■ Applications:

- DC to DC converters for VTR, OA equipment, LCD television set, notebook, portable communication equipments

■ Parts code:

SDR

FLIC No.

54

Product dimensions (a x c)

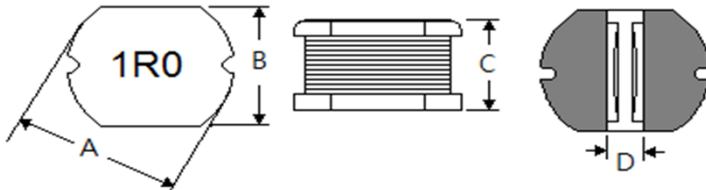
4R7

Inductance code

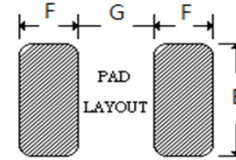
K

Tolerance:K : ± 10% / M : ± 20%

■ Outline Dimension:



■ Recommended Land Pattern:



Dimensions in mm

FLIC No.	A	B	C	D	E (Ref.)	F (Ref.)	G (Ref.)
SDR 54	5.8±0.3	5.2±0.3	4.5±0.3	1.6	5.8	2.2	1.7

■ Specifications

SDR 54				
Flic No.	L	Test Freq.	DCR (Ω)	Rating Current
	(uH)	(KHz)	(Max)	I _{rms} (A)
SDR 54- 1R0M	1.0	100	0.015	5.90
SDR 54- 1R2M	1.2	100	0.020	5.20
SDR 54- 1R5M	1.5	100	0.025	4.70
SDR 54- 1R8M	1.8	100	0.030	4.00
SDR 54- 2R2M	2.2	100	0.035	3.80
SDR 54- 2R7M	2.7	100	0.040	3.40
SDR 54- 3R3M	3.3	100	0.045	3.30
SDR 54- 3R9M	3.9	100	0.050	2.90
SDR 54- 4R7M	4.7	100	0.060	2.80
SDR 54- 5R6M	5.6	100	0.070	2.40
SDR 54- 6R8M	6.8	100	0.080	2.10
SDR 54- 8R2M	8.2	100	0.090	2.00
SDR 54- 100M	10	100	0.100	1.44
SDR 54- 120M	12	100	0.120	1.40
SDR 54- 150M	15	100	0.140	1.30
SDR 54- 180M	18	100	0.150	1.23
SDR 54- 220M	22	100	0.180	1.11
SDR 54- 270M	27	100	0.200	0.97
SDR 54- 330M	33	100	0.230	0.88
SDR 54- 390M	39	100	0.320	0.80
SDR 54- 470M	47	100	0.370	0.72
SDR 54- 560M	56	100	0.420	0.68
SDR 54- 680M	68	100	0.460	0.61
SDR 54- 820M	82	100	0.600	0.58
SDR 54- 101K	100	100	0.700	0.52
SDR 54- 121K	120	100	0.930	0.48
SDR 54- 151K	150	100	1.100	0.40
SDR 54- 181K	180	100	1.380	0.38
SDR 54- 221K	220	100	1.570	0.35
SDR 54- 271K	270	100	1.650	0.32
SDR 54- 331K	330	100	1.700	0.28
SDR 54- 391K	390	100	1.800	0.26
SDR 54- 471K	470	100	2.300	0.23
SDR 54- 561K	560	100	2.500	0.20
SDR 54- 681K	680	100	3.000	0.19
SDR 54- 821K	820	100	4.500	0.16
SDR 54- 102K	1000	100	4.800	0.14

■ Notes: 1. Operating temperature : -40 ~ 105 °C 2. PACKAGING: SDR 54 / 1500Pcs/Reel

Rated current: The DC current at which the inductance decreases to 90 % of its initial value or when Δt=40°C, whichever is lower(Ta=25°C)