



■ 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.

53

Product dimensions (a x c)

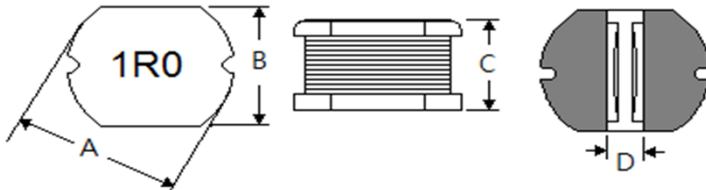
4R7

Inductance code

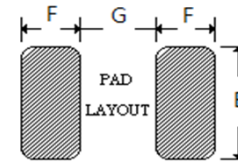
K

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 53	5.8±0.3	5.2±0.3	3.2±0.3	1.5	5.8	2.2	1.7

■ Specifications

SDR 53

Flic No.	L	Test Freq.	DCR (Ω)	Rating Current
	(uH)	(KHz)	(Max)	I _{rms} (A)
SDR 53- 1R0M	1.0	100	0.030	4.50
SDR 53- 1R2M	1.2	100	0.030	4.20
SDR 53- 1R5M	1.5	100	0.030	4.10
SDR 53- 1R8M	1.8	100	0.030	3.70
SDR 53- 2R2M	2.2	100	0.030	3.50
SDR 53- 2R7M	2.7	100	0.040	3.20
SDR 53- 3R3M	3.3	100	0.050	2.80
SDR 53- 3R9M	3.9	100	0.060	2.60
SDR 53- 4R7M	4.7	100	0.070	2.50
SDR 53- 5R6M	5.6	100	0.080	2.40
SDR 53- 6R8M	6.8	100	0.090	2.20
SDR 53- 8R2M	8.2	100	0.100	2.00
SDR 53- 100M	10	100	0.120	1.80
SDR 53- 120M	12	100	0.130	1.75
SDR 53- 150M	15	100	0.150	1.70
SDR 53- 180M	18	100	0.150	1.60
SDR 53- 220M	22	100	0.220	1.50
SDR 53- 270M	27	100	0.240	1.40
SDR 53- 330M	33	100	0.300	1.10
SDR 53- 390M	39	100	0.400	1.00
SDR 53- 470M	47	100	0.430	0.90
SDR 53- 560M	56	100	0.500	0.85
SDR 53- 680M	68	100	0.600	0.80
SDR 53- 820M	82	100	0.800	0.65
SDR 53- 101K	100	100	0.900	0.60
SDR 53- 121K	120	100	1.000	0.58
SDR 53- 151K	150	100	1.300	0.43
SDR 53- 181K	180	100	1.500	0.41
SDR 53- 221K	220	100	2.000	0.38
SDR 53- 271K	270	100	2.500	0.35
SDR 53- 331K	330	100	3.200	0.28
SDR 53- 391K	390	100	3.500	0.26
SDR 53- 471K	470	100	4.200	0.20
SDR 53- 561K	560	100	4.500	0.19
SDR 53- 681K	680	100	6.000	0.18
SDR 53- 821K	820	100	6.500	0.15
SDR 53- 102K	1000	100	8.000	0.13

■ Notes: 1. Operating temperature : -40 ~ 105 °C 2. PACKAGING: SDR 53 / 2000Pcs/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)