



■ 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.

31

Product dimensions (a x c)

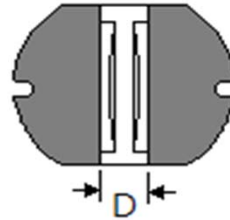
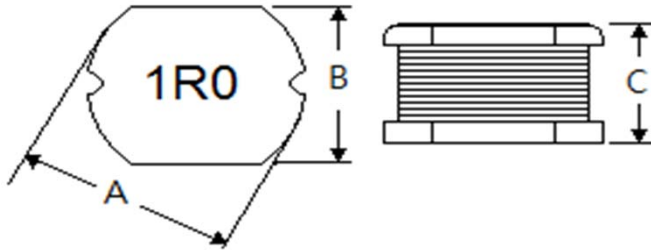
4R7

Inductance code

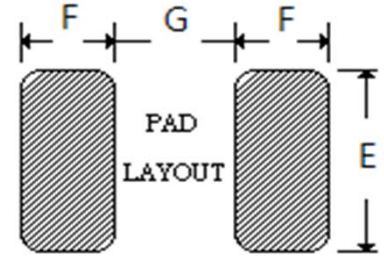
K

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 31	3.5±0.3	3.0±0.3	1.1±0.3	1.0	3.2	1.3	1.0

■ Specifications

SDR 31				
Flic No.	L	Test Freq.	DCR (Ω)	Rating Current
	(uH)	(KHz)	(Max)	Irms (A)
SDR 31- 1R2M	1.2	100	0.099	1.24
SDR 31- 1R5M	1.5	100	0.128	1.06
SDR 31- 2R2M	2.2	100	0.194	0.88
SDR 31- 3R3M	3.3	100	0.270	0.79
SDR 31- 3R9M	3.9	100	0.321	0.68
SDR 31- 4R7M	4.7	100	0.376	0.66
SDR 31- 5R6M	5.6	100	0.393	0.61
SDR 31- 6R8M	6.8	100	0.485	0.56
SDR 31- 8R2M	8.2	100	0.628	0.5
SDR 31- 100M	10	100	0.809	0.45
SDR 31- 120M	12	100	0.901	0.4
SDR 31- 150M	15	100	1.063	0.37
SDR 31- 180M	18	100	1.231	0.34
SDR 31- 220M	22	100	1.750	0.31
SDR 31- 270M	27	100	2.113	0.28
SDR 31- 330M	33	100	2.888	0.24
SDR 31- 390M	39	100	3.100	0.23
SDR 31- 470M	47	100	3.513	0.21
SDR 31- 560M	56	100	3.950	0.2
SDR 31- 680M	68	100	5.688	0.18
SDR 31- 820M	82	100	6.575	0.15
SDR 31- 101M	100	100	7.700	0.14

■ Notes:

1. Operating temperature : -40 ~ 105 °C
2. PACKAGING: SDR 31 / 4000Pcs/Reel

Rated current: The DC current at which the inductance decreases to 90 % of its initial value or when $\Delta t=40^{\circ}\text{C}$, whichever is lower($T_a=25^{\circ}\text{C}$)