



■ 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.

**42**

Product dimensions ( a x c )

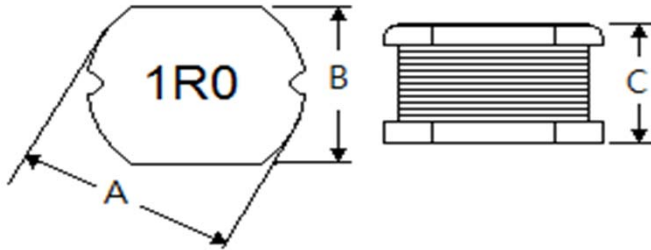
**4R7**

Inductance code

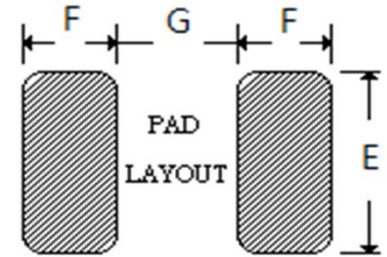
**K**

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 42	4.5±0.3	4.0±0.3	2.0±0.3	1.4	4.5	1.8	1.5

■ Specifications

SDR 42				
Flic No.	L	Test Freq.	DCR (Ω)	Rating Current
	( uH )	( KHz )	( Max )	Irms ( A )
SDR 42- 1R0M	1.0	100	0.030	2.50
SDR 42- 1R5M	1.5	100	0.040	2.30
SDR 42- 1R8M	1.8	100	0.050	2.00
SDR 42- 2R2M	2.2	100	0.060	1.80
SDR 42- 3R3M	3.3	100	0.080	1.50
SDR 42- 4R7M	4.7	100	0.106	1.20
SDR 42- 6R8M	6.8	100	0.135	1.00
SDR 42- 100M	10	100	0.195	0.80
SDR 42- 150M	15	100	0.330	0.70
SDR 42- 220M	22	100	0.486	0.60
SDR 42- 330M	33	100	0.640	0.55
SDR 42- 390M	39	100	0.700	0.50
SDR 42- 470M	47	100	0.950	0.40
SDR 42- 680M	68	100	1.350	0.30
SDR 42- 101K	100	100	1.710	0.25
SDR 42- 151K	150	100	2.530	0.24
SDR 42- 221K	220	100	4.200	0.23
SDR 42- 331K	330	100	5.300	0.20
SDR 42- 391K	390	100	6.820	0.18
SDR 42- 471K	470	100	7.780	0.15

■ Notes:

1. Operating temperature : -40 ~ 105 °C

2. PACKAGING: SDR 42 / 3000Pcs/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)