

SDR21 SERIES ~ SMD Power Inductors



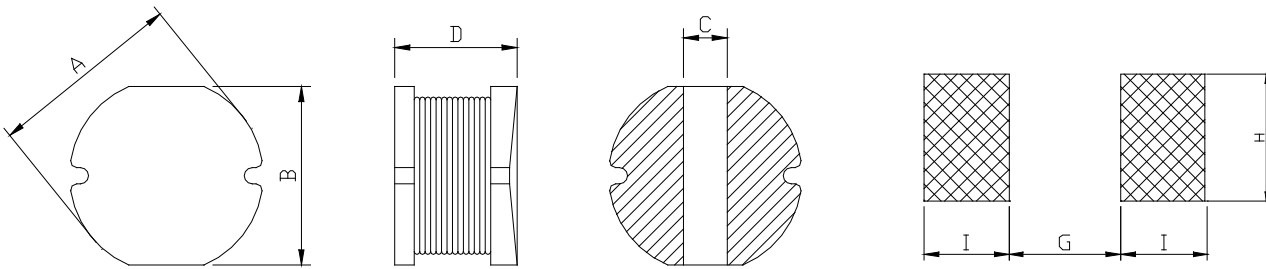
RoHS Compliant

PART NUMBERING SYSTEM

SDR	2 1	—	100M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

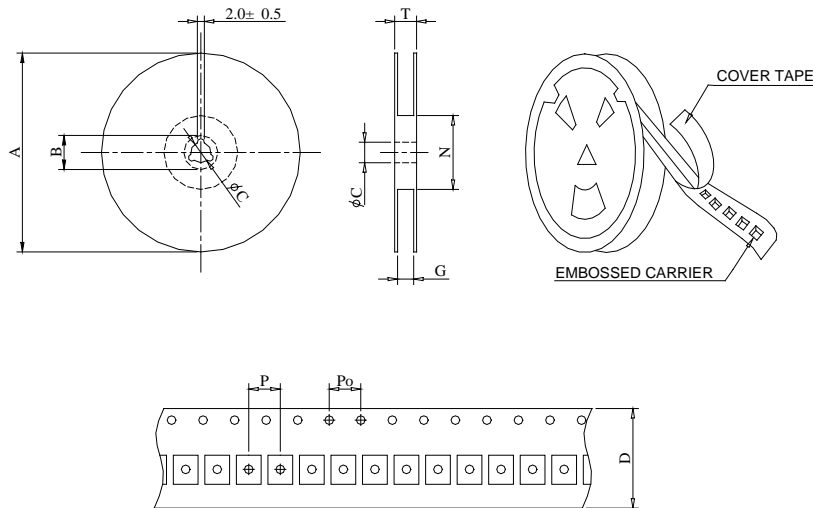
UNIT : mm



A=2.0±0.2 B=1.8±0.2 C= 0.75 Ref. D=1.1 Max.

G= 0.70 H=2.2 I=0.89

PACKAGING SPECIFICATION



SERIES	STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)								
			A	B±0.8	C±0.5	D	G ⁺⁰	N ⁰	P	Po	T
SDR21	13-12	3500	330	21	13	12	14	50	8	4	18.4

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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (Ω) (Max.)	SRF(MHz) (typ .)	Isat(A) (Max.)	IrmsA) (Max.)
SDR21-R50M-LF	0.50 \pm 20%	0.100	250	2.40	1.50
SDR21-R68M-LF	0.68 \pm 20%	0.120	200	2.10	1.50
SDR21-R80M-LF	0.80 \pm 20%	0.150	185	1.80	1.40
SDR21-1R0M-LF	1.0 \pm 20%	0.200	182	1.80	1.20
SDR21-1R5M-LF	1.5 \pm 20%	0.270	127	1.45	0.97
SDR21-2R0M-LF	2.0 \pm 20%	0.315	110	1.25	0.90
SDR21-2R2M-LF	2.2 \pm 20%	0.400	104	1.20	0.84
SDR21-3R3M-LF	3.3 \pm 20%	0.550	85	0.98	0.73
SDR21-4R7M-LF	4.7 \pm 20%	0.800	65	0.80	0.60
SDR21-6R8M-LF	6.8 \pm 20%	1.00	55	0.73	0.54
SDR21-8R2M-LF	8.2 \pm 20%	1.08	50	0.65	0.49
SDR21-100M-LF	10 \pm 20%	1.45	43	0.61	0.44
SDR21-150M-LF	15 \pm 20%	2.14	30	0.47	0.36
SDR21-220M-LF	22 \pm 20%	2.80	25	0.42	0.32
SDR21-330M-LF	33 \pm 20%	4.10	20	0.34	0.25
SDR21-470M-LF	47 \pm 20%	6.00	16	0.28	0.21
SDR21-680M-LF	68 \pm 20%	8.80	13	0.24	0.16
SDR21-101M-LF	100 \pm 20%	15.7	11	0.18	0.13
SDR21-151M-LF	150 \pm 20%	25.0	12	0.21	0.11
SDR21-221M-LF	220 \pm 20%	38.0	8	0.10	0.08

- Inductance tested at 100KHz 0.1Vrms .
- Isat: DC current at which the inductance drops 10% (typ.) from its value without current.
- Irms: Current that causes a 40°C temperature rise from 25°C ambient.
- Ambient temperature range: -40°C to +125°C with Irms current. +85°C to +125°C with derated current
- Electrical specifications at 25°C.
- Lead Free with RoHS compliant .