

SDR32 SERIES ~ SMD Power Inductors



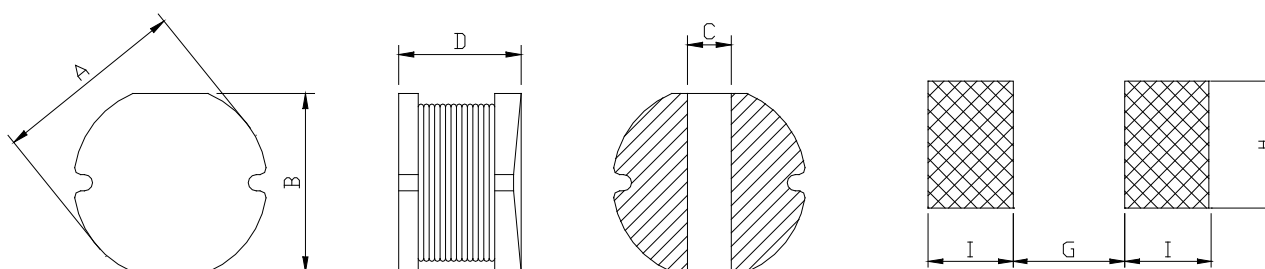
RoHS Compliant

PART NUMBERING SYSTEM

SDR	3 2	—	1R0M	—	L F
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

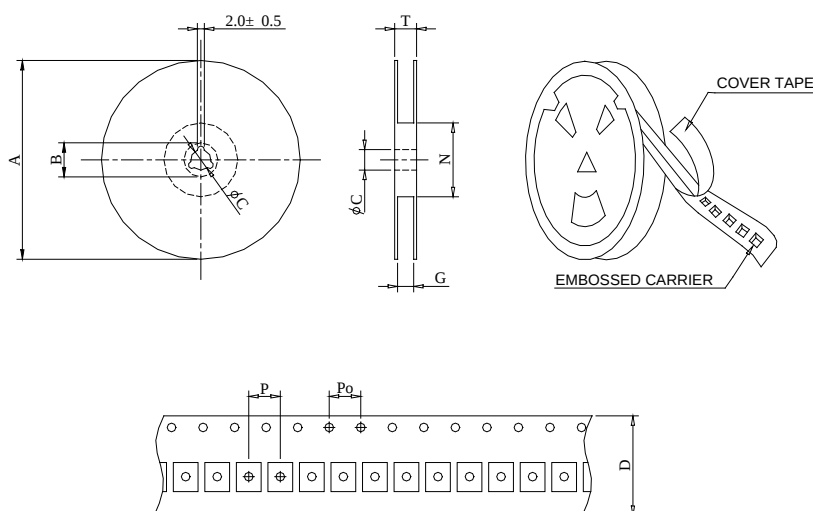
SHAPES AND DIMENSIONS

UNIT : mm



A=3.5±0.3 B=3.0±0.3 C= 1.0Ref. D=2.5 Max. G= 1.00 H=2.80 I=1.40

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
SDR32	13-12	2000	330	21	13	12	14	50	8	4	18.4

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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (Ω) (Max.)	IDC (A) (Max.)	TEST FREQ. (MHz)
SDR32-1R0M-LF	1.0 $\pm$ 20%	0.07	2.08	100KHz
SDR32-1R4M-LF	1.4 $\pm$ 20%	0.09	1.86	100KHz
SDR32-1R8M-LF	1.8 $\pm$ 20%	0.11	1.80	100KHz
SDR32-2R2M-LF	2.2 $\pm$ 20%	0.13	1.39	100KHz
SDR32-2R7M-LF	2.7 $\pm$ 20%	0.14	1.32	100KHz
SDR32-3R3M-LF	3.3 $\pm$ 20%	0.20	1.25	100KHz
SDR32-3R9M-LF	3.9 $\pm$ 20%	0.21	1.20	100KHz
SDR32-4R7M-LF	4.7 $\pm$ 20%	0.33	1.03	100KHz
SDR32-5R6M-LF	5.6 $\pm$ 20%	0.35	0.91	100KHz
SDR32-6R8M-LF	6.8 $\pm$ 20%	0.38	0.85	100KHz
SDR32-8R2M-LF	8.2 $\pm$ 20%	0.43	0.82	100KHz
SDR32-100M-LF	10 $\pm$ 20%	0.50	0.74	100KHz
SDR32-120M-LF	12 $\pm$ 20%	0.65	0.64	100KHz
SDR32-150M-LF	15 $\pm$ 20%	0.82	0.60	100KHz
SDR32-180M-LF	18 $\pm$ 20%	0.90	0.54	100KHz
SDR32-220M-LF	22 $\pm$ 20%	1.14	0.50	100KHz
SDR32-270M-LF	27 $\pm$ 20%	1.39	0.43	100KHz
SDR32-330K-LF	33 $\pm$ 10%	1.55	0.40	100KHz
SDR32-390K-LF	39 $\pm$ 10%	2.15	0.37	100KHz
SDR32-470K-LF	47 $\pm$ 10%	2.44	0.36	100KHz
SDR32-560K-LF	56 $\pm$ 10%	2.68	0.31	100KHz
SDR32-680K-LF	68 $\pm$ 10%	3.05	0.30	100KHz
SDR32-820K-LF	82 $\pm$ 10%	3.48	0.28	100KHz
SDR32-101K-LF	100 $\pm$ 10%	4.10	0.22	100KHz
SDR32-121K-LF	120 $\pm$ 10%	4.89	0.20	100KHz
SDR32-151K-LF	150 $\pm$ 10%	6.08	0.17	100KHz
SDR32-181K-LF	180 $\pm$ 10%	7.26	0.15	100KHz
SDR32-221K-LF	220 $\pm$ 10%	8.83	0.11	100KHz
SDR32-271K-LF	270 $\pm$ 10%	10.8	0.074	100KHz
SDR32-331K-LF	330 $\pm$ 10%	13.0	0.065	100KHz
SDR32-391K-LF	390 $\pm$ 10%	15.2	0.060	100KHz
SDR32-471K-LF	470 $\pm$ 10%	17.5	0.045	100KHz
SDR32-561K-LF	560 $\pm$ 10%	22.5	0.030	100KHz

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C , Electrical specifications at 25°C.