

SMD Low Profile Inductors - SDR31 SERIES

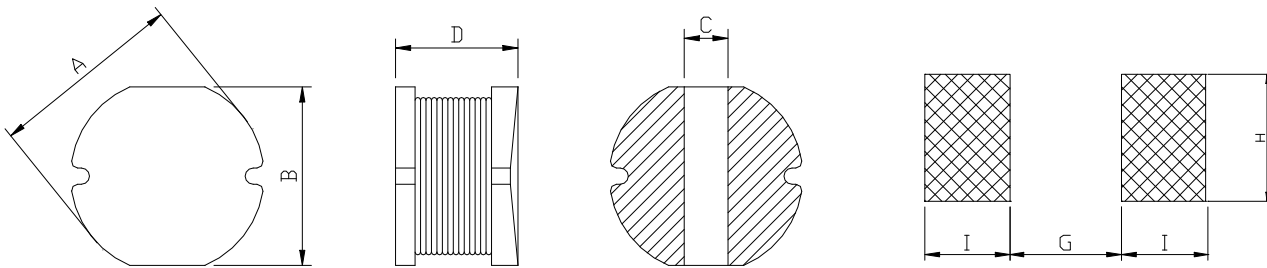


PART NUMBERING SYSTEM

SDR	3 1	—	6R8M	—	L F
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

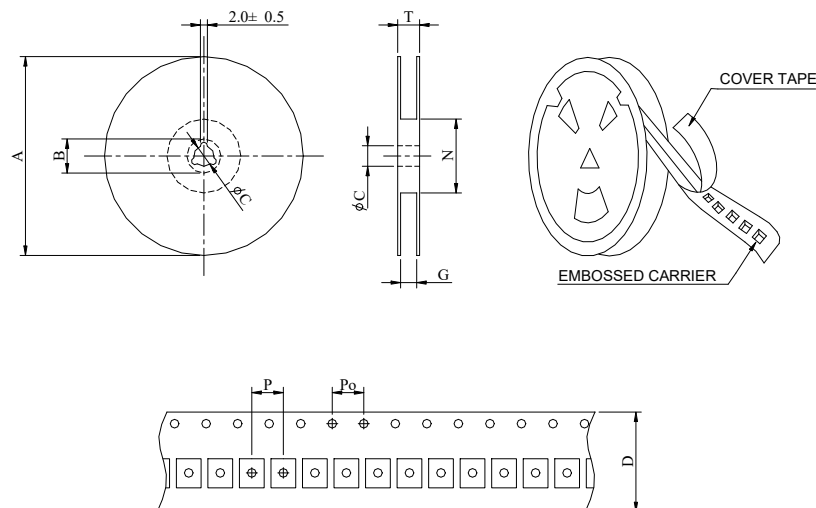
SHAPES AND DIMENSIONS

UNIT : mm



A=3.5±0.3 B=3.0±0.3 C= 1.0Ref. D=1.4 Max. G= 0.80 H=3.50 I=1.60

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
SDR31	13-12	2000	330	21	13	12	14	50	8	4	18.4

SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (Ω) (Max.)	IDC (A) (Max.)	TEST FREQ. (MHz)
SDR31-2R2M-LF	2.2 \pm 20%	0.20	1.00	7.96 MHz
SDR31-3R3M-LF	3.3 \pm 20%	0.22	0.87	7.96 MHz
SDR31-4R7M-LF	4.7 \pm 20%	0.31	0.65	7.96 MHz
SDR31-5R6M-LF	5.6 \pm 20%	0.32	0.60	7.96 MHz
SDR31-6R8M-LF	6.8 \pm 20%	0.33	0.55	7.96 MHz
SDR31-100M-LF	10 \pm 20%	0.52	0.45	1KHz
SDR31-150M-LF	15 \pm 20%	0.70	0.42	1KHz
SDR31-180M-LF	18 \pm 20%	0.80	0.41	1KHz
SDR31-220M-LF	22 \pm 20%	1.20	0.40	1KHz
SDR31-330K-LF	33 \pm 10%	1.43	0.26	1KHz
SDR31-470K-LF	47 \pm 10%	2.40	0.16	1KHz
SDR31-331K-LF	330 \pm 10%	13.62	0.084	1KHz
SDR31-471K-LF	470 \pm 10%	26.80	0.072	1KHz

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C ,
- Electrical specifications at 25 $^{\circ}$ C.
- Packing : 13" reel, machine-ready ,embossed plastic tape (2,000 parts per full reel).
- Ferrite drum core construction
- Magnetically unshielded.
- 1.4mm height only
- Moisture Sensitivity Level : 1 (MSL 1)
- Ideally used in mobile phone, DSC/DVC, portable device as DC-DC converter inductors