



SDB1004 SERIES - SMD Power Inductors

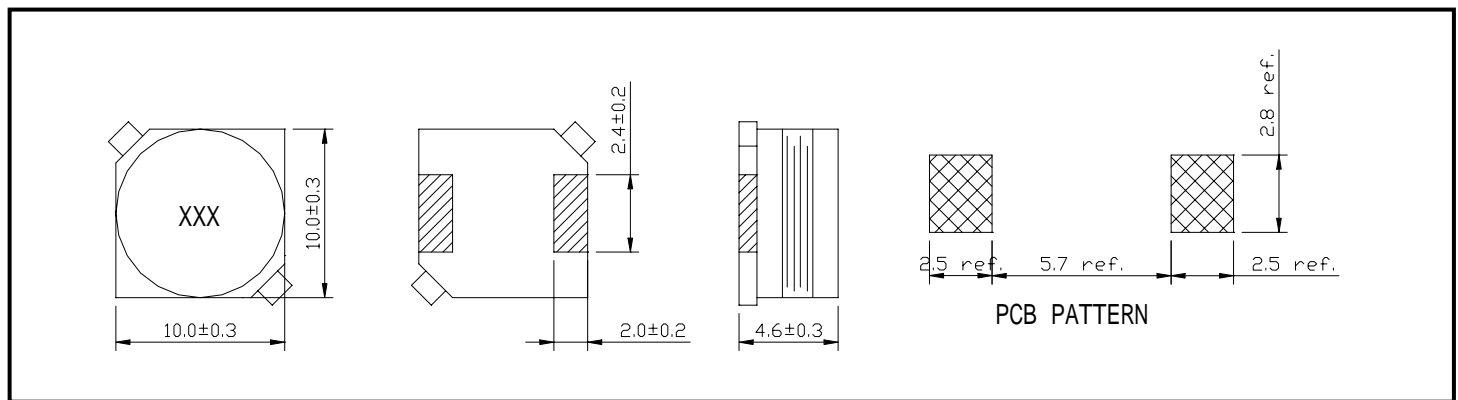


PART NUMBERING SYSTEM

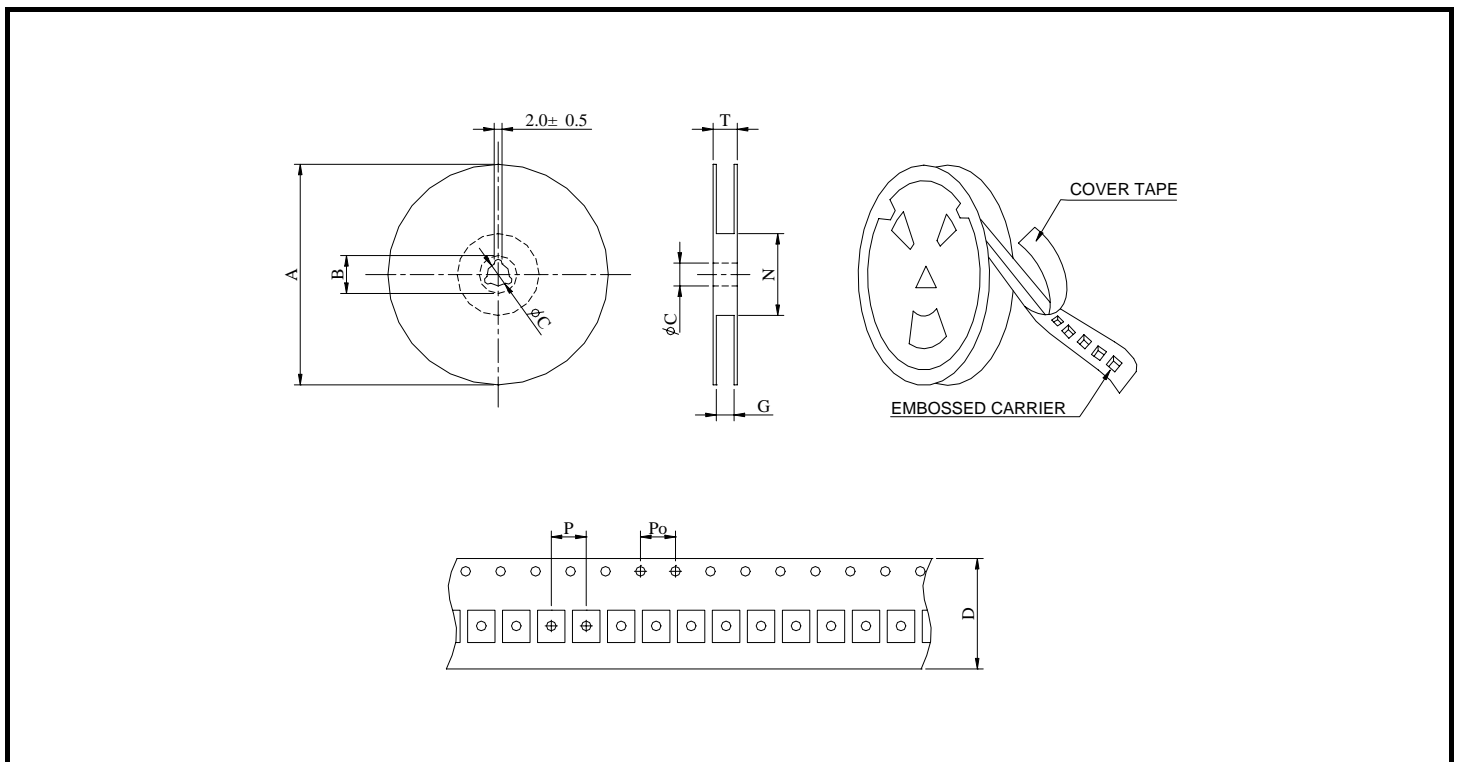
SDB	1 0 0 4	-	1 R 8 M	- L F
TYPE	DIMENSIONS		INDUCTANCE	LEAD FREE

SHAPES AND DIMENSIONS

UNIT : mm



PACKAGING SPECIFICATION



SERIES	STAYLE	Q ' TY (PCS)	DIMENSIONS (m/m)								
			A	B ± 0.8	C ± 0.5	D	G ⁺⁰	N ⁰	P	P ₀	T
SDB1004	13-24	600	330	21	13	24	26	50	16	4	30.4



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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR () (Max.)	IDC (A) (Max.)	TEST FREQ. (f)
SDB1004-1R8M-LF	1.8 \pm 20%	0.023	5.50	100KHz
SDB1004-2R7M-LF	2.7 \pm 20%	0.025	5.00	100KHz
SDB1004-3R9M-LF	3.9 \pm 20%	0.030	4.50	100KHz
SDB1004-4R7M-LF	4.7 \pm 20%	0.035	4.00	100KHz
SDB1004-6R8M-LF	6.8 \pm 20%	0.040	3.80	100KHz
SDB1004-100M-LF	10 \pm 20%	0.050	3.30	100KHz
SDB1004-120M-LF	12 \pm 20%	0.055	3.20	100KHz
SDB1004-150M-LF	15 \pm 20%	0.065	3.00	100KHz
SDB1004-220M-LF	22 \pm 20%	0.080	2.60	100KHz
SDB1004-330M-LF	33 \pm 20%	0.110	2.00	100KHz
SDB1004-470M-LF	47 \pm 20%	0.130	1.80	100KHz
SDB1004-680M-LF	68 \pm 20%	0.210	1.40	100KHz
SDB1004-820M-LF	82 \pm 20%	0.240	1.30	100KHz
SDB1004-101M-LF	100 \pm 20%	0.290	1.20	100KHz
SDB1004-151M-LF	150 \pm 20%	0.470	1.00	100KHz
SDB1004-221M-LF	220 \pm 20%	0.730	0.80	100KHz
SDB1004-331M-LF	330 \pm 20%	0.990	0.65	100KHz
SDB1004-471M-LF	470 \pm 20%	1.250	0.55	100KHz
SDB1004-681M-LF	680 \pm 20%	1.800	0.45	100KHz
SDB1004-102M-LF	1000 \pm 20%	2.800	0.38	100KHz

DC current at which the inductance drops 10% (typ) from its value without current.

Operating temperature range -40°C to +85°C.

Electrical specifications at 25°C.