



## SBS1003 SERIES ~ Shielded SMD Power Inductors

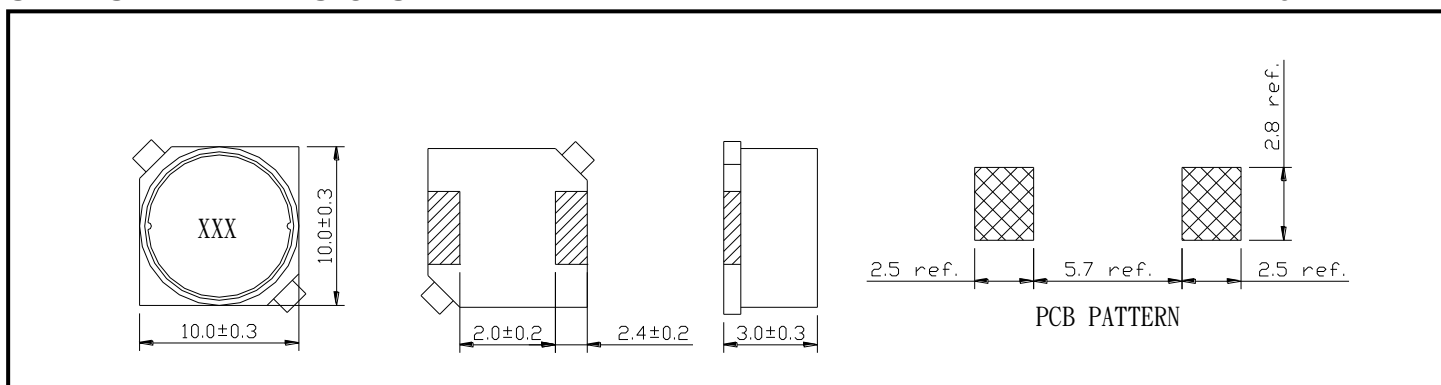


### PART NUMBERING SYSTEM

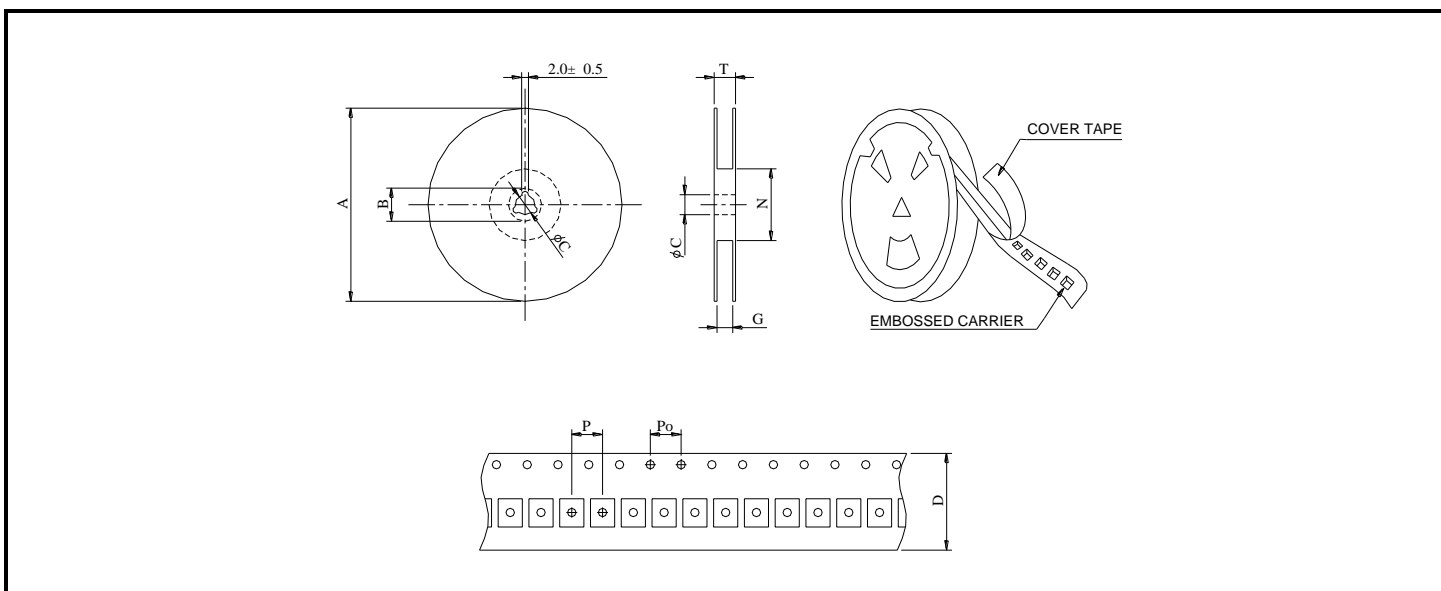
<b>SBS</b>	<b>1003</b>	—	<b>220M</b>	—	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

### SHAPES AND DIMENSIONS

UNIT : mm



### PACKAGING SPECIFICATION



SERIES	STAYLE	Q'TY (PCS)	DIMENSIONS (m/m)								
			A	B $\pm 0.8$	C $\pm 0.5$	D	G $^{+0}$	N $^{-0}$	P	Po	T
SBS1003	13-24	1000	330	21	13	24	26	50	16	4	30.4



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### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE ( $\mu$ H)	DCR ( $\Omega$ ) (Max.)	IDC (A) (Max.)	TEST FREQ. ( f )
SBS1003-1R5M-LF	1.5 $\pm$ 20%	0.022	4.00	100KHz
SBS1003-2R2M-LF	2.2 $\pm$ 20%	0.025	3.50	100KHz
SBS1003-3R3M-LF	3.3 $\pm$ 20%	0.040	3.00	100KHz
SBS1003-4R7M-LF	4.7 $\pm$ 20%	0.045	2.50	100KHz
SBS1003-6R8M-LF	6.8 $\pm$ 20%	0.060	2.20	100KHz
SBS1003-100M-LF	10 $\pm$ 20%	0.070	2.00	100KHz
SBS1003-120M-LF	12 $\pm$ 20%	0.095	1.90	100KHz
SBS1003-150M-LF	15 $\pm$ 20%	0.120	1.70	100KHz
SBS1003-180M-LF	18 $\pm$ 20%	0.130	1.55	100KHz
SBS1003-220M-LF	22 $\pm$ 20%	0.180	1.45	100KHz
SBS1003-270M-LF	27 $\pm$ 20%	0.200	1.30	100KHz
SBS1003-330M-LF	33 $\pm$ 20%	0.210	1.10	100KHz
SBS1003-390M-LF	39 $\pm$ 20%	0.270	1.00	100KHz
SBS1003-470M-LF	47 $\pm$ 20%	0.300	0.85	100KHz
SBS1003-560M-LF	56 $\pm$ 20%	0.400	0.80	100KHz
SBS1003-680M-LF	68 $\pm$ 20%	0.440	0.75	100KHz
SBS1003-820M-LF	82 $\pm$ 20%	0.490	0.65	100KHz
SBS1003-101M-LF	100 $\pm$ 20%	0.670	0.60	100KHz
SBS1003-121M-LF	120 $\pm$ 20%	0.740	0.55	100KHz
SBS1003-151M-LF	150 $\pm$ 20%	0.790	0.50	100KHz
SBS1003-181M-LF	180 $\pm$ 20%	1.200	0.45	100KHz
SBS1003-221M-LF	220 $\pm$ 20%	1.350	0.40	100KHz
SBS1003-271M-LF	270 $\pm$ 20%	1.800	0.38	100KHz
SBS1003-331M-LF	330 $\pm$ 20%	2.000	0.32	100KHz
SBS1003-391M-LF	390 $\pm$ 20%	2.100	0.30	100KHz
SBS1003-471M-LF	470 $\pm$ 20%	3.500	0.28	100KHz
SBS1003-561M-LF	560 $\pm$ 20%	3.900	0.25	100KHz
SBS1003-681M-LF	680 $\pm$ 20%	4.100	0.22	100KHz
SBS1003-821M-LF	820 $\pm$ 20%	4.550	0.20	100KHz
SBS1003-102M-LF	1000 $\pm$ 20%	5.100	0.18	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.