



# SDB0603 SERIES - SMD Power Inductors

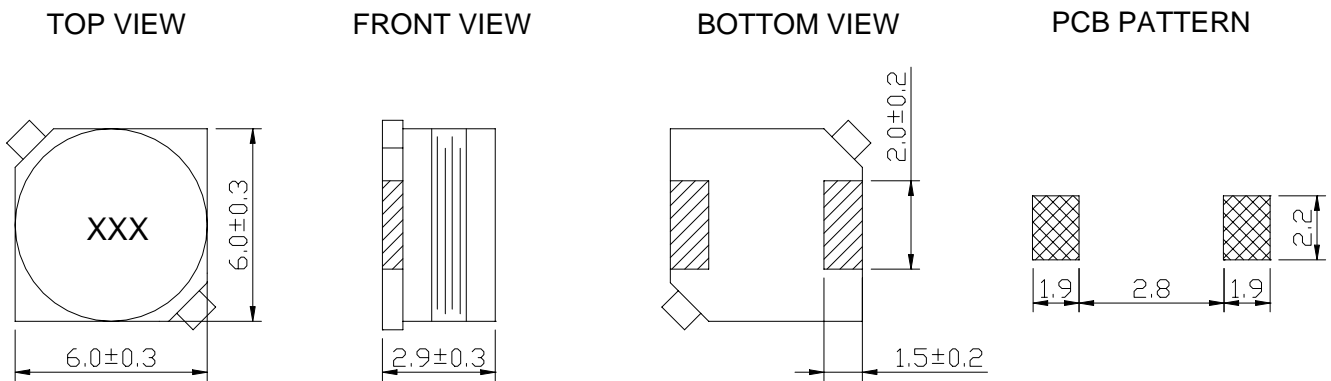


## PART NUMBERING SYSTEM

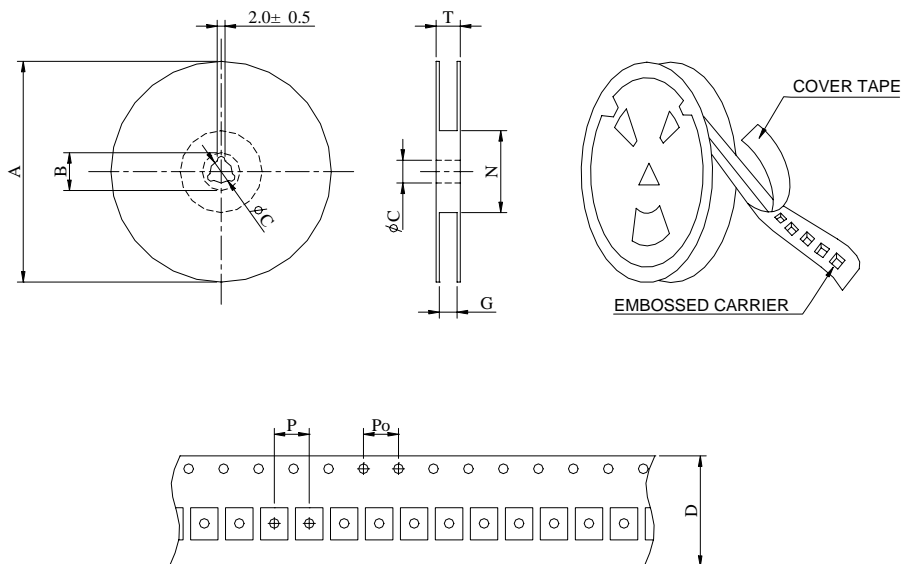
<b>SDB</b>	<b>0603</b>	-	<b>6R8M</b>	-	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

## 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 <sup>+0</sup>	N <sup>0</sup>	P	Po	T
SDB0603	13-16	1000	330	21	13	16	18	50	8	4	22.4



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PART NUMBER	INDUCTANCE ( $\mu$ H)	DCR ( ) (Max.)	IDC ( A ) (Max.)	TEST FREQ. ( f )
SDB0603-1R2M-LF	1.2 $\pm$ 20%	0.025	2.80	100KHz
SDB0603-1R5M-LF	1.5 $\pm$ 20%	0.028	2.60	100KHz
SDB0603-2R2M-LF	2.2 $\pm$ 20%	0.030	2.30	100KHz
SDB0603-3R3M-LF	3.3 $\pm$ 20%	0.055	2.00	100KHz
SDB0603-4R7M-LF	4.7 $\pm$ 20%	0.065	1.85	100KHz
SDB0603-6R8M-LF	6.8 $\pm$ 20%	0.090	1.65	100KHz
SDB0603-100M-LF	10 $\pm$ 20%	0.115	1.45	100KHz
SDB0603-120M-LF	12 $\pm$ 20%	0.150	1.20	100KHz
SDB0603-150M-LF	15 $\pm$ 20%	0.180	1.15	100KHz
SDB0603-180M-LF	18 $\pm$ 20%	0.230	1.05	100KHz
SDB0603-220M-LF	22 $\pm$ 20%	0.250	1.00	100KHz
SDB0603-270M-LF	27 $\pm$ 20%	0.350	0.95	100KHz
SDB0603-330M-LF	33 $\pm$ 20%	0.380	0.90	100KHz
SDB0603-390M-LF	39 $\pm$ 20%	0.410	0.80	100KHz
SDB0603-470M-LF	47 $\pm$ 20%	0.430	0.75	100KHz
SDB0603-560M-LF	56 $\pm$ 20%	0.620	0.70	100KHz
SDB0603-680M-LF	68 $\pm$ 20%	0.710	0.60	100KHz
SDB0603-820M-LF	82 $\pm$ 20%	0.730	0.50	100KHz
SDB0603-101M-LF	100 $\pm$ 20%	1.050	0.48	100KHz
SDB0603-121M-LF	120 $\pm$ 20%	1.180	0.45	100KHz
SDB0603-151M-LF	150 $\pm$ 20%	1.800	0.40	100KHz
SDB0603-181M-LF	180 $\pm$ 20%	1.950	0.35	100KHz
SDB0603-221M-LF	220 $\pm$ 20%	2.960	0.30	100KHz
SDB0603-271M-LF	270 $\pm$ 20%	3.450	0.28	100KHz
SDB0603-331M-LF	330 $\pm$ 20%	3.800	0.26	100KHz
SDB0603-391M-LF	390 $\pm$ 20%	4.000	0.24	100KHz
SDB0603-471M-LF	470 $\pm$ 20%	4.400	0.22	100KHz
SDB0603-561M-LF	560 $\pm$ 20%	6.200	0.20	100KHz
SDB0603-681M-LF	680 $\pm$ 20%	6.800	0.18	100KHz
SDB0603-821M-LF	820 $\pm$ 20%	12.00	0.16	100KHz
SDB0603-102M-LF	1000 $\pm$ 20%	13.50	0.14	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.