



## SSB7020 SERIES – Low Profile SMD Power Inductors



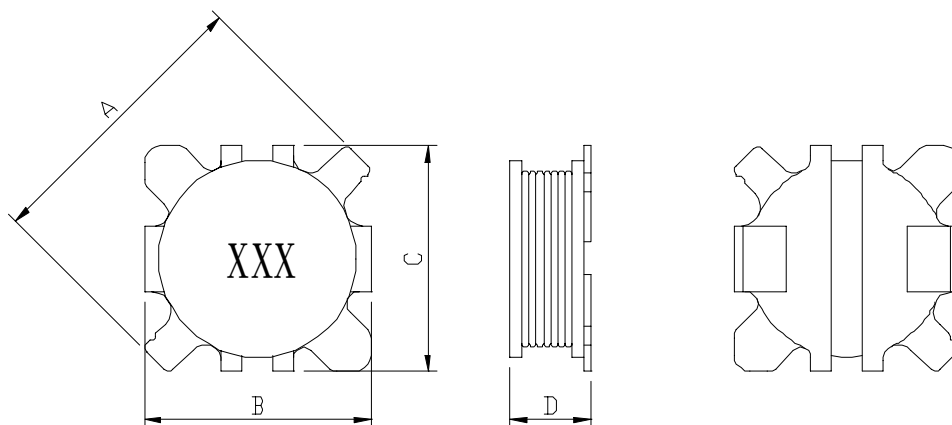
RoHS Compliant

### PART NUMBERING SYSTEM

<b>SSB</b>	<b>7020</b>	—	<b>100M</b>	—	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

### SHAPES AND DIMENSIONS

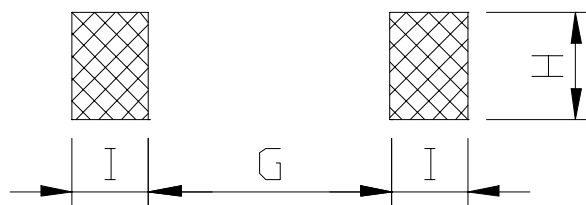
UNIT : mm



**A=10.18Max. B= 7.2±0.3 C=7.2±0.3 D=2.00 Max**

### RECOMMENDED PATTERNS

UNIT : mm



**G=3.50 H=3.00 I=2.25**



RoHS Compliant

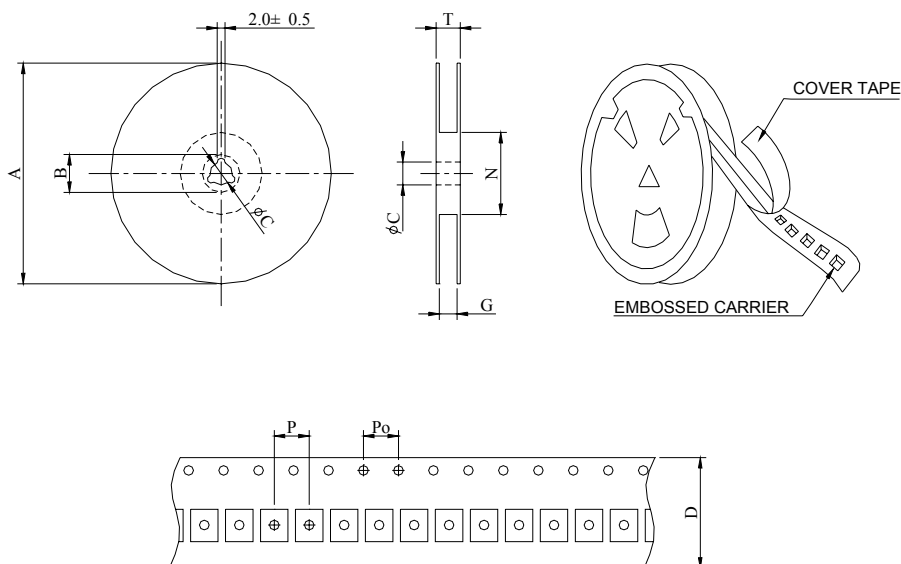
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### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE ( $\mu$ H)	DCR (m $\Omega$ ) (Max.)	Isat ( A )	Irms ( A )	TEST FREQ. ( f )
SSB7020-2R2N-LF	2.2 $\pm$ 30%	51	4.60	3.00	100KHz/0.1V
SSB7020-3R3N-LF	3.3 $\pm$ 30%	70	4.00	2.20	100KHz/0.1V
SSB7020-4R7N-LF	4.7 $\pm$ 30%	96	3.50	2.00	100KHz/0.1V
SSB7020-6R8N-LF	6.8 $\pm$ 30%	120	2.70	1.75	100KHz/0.1V
SSB7020-100M-LF	10.0 $\pm$ 20%	186	2.00	1.40	100KHz/0.1V
SSB7020-150M-LF	15.0 $\pm$ 20%	255	1.50	1.10	100KHz/0.1V
SSB7020-220M-LF	22.0 $\pm$ 20%	306	1.30	1.07	100KHz/0.1V
SSB7020-330M-LF	33.0 $\pm$ 20%	501	1.20	0.85	100KHz/0.1V
SSB7020-470M-LF	47.0 $\pm$ 20%	693	1.00	0.75	100KHz/0.1V

- \* Inductance measured using a Coilmaster SMD fixture in an Agilent/HP 4284A or equivalent.
- \* Isat: DC current at which the inductance drops 10% (typ) from its value without current.
- \* Irms: Average current for 30°C (max) rise from +25°C ambient.
- \* Storage and ambient operating temperature range -40°C to +85°C.

### 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
SSB7020	13-16	2000	330	21	13	16	18	50	8	4	22.4