



# SSB3014 SERIES – Low Profile SMD Power Inductors



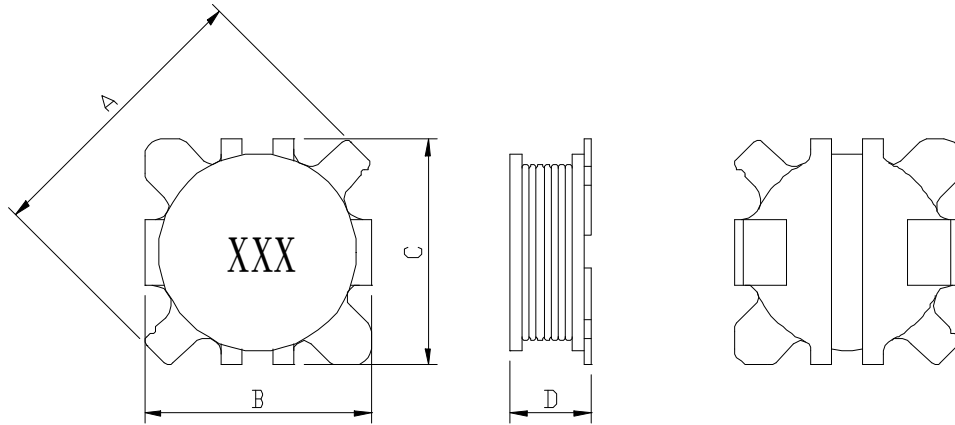
RoHS Compliant

## PART NUMBERING SYSTEM

<u>SSB</u>	<u>3014</u>	—	<u>4R7N</u>	—	<u>LF</u>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

## SHAPES AND DIMENSIONS

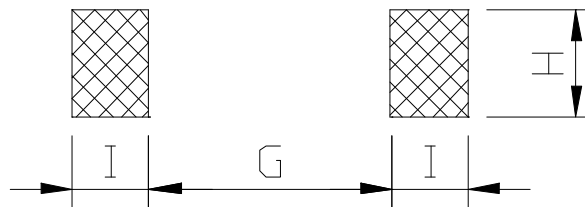
UNIT : mm



**A=4.50 Max. B= 3.20±0.3 C=3.2±0.3 D=1.40 Max**

## RECOMMENDED PATTERNS

UNIT : mm



**G=1.20 H=1.40 I=1.40**



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### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE ( $\mu$ H)	DCR (m $\Omega$ ) (Max.)	Isat ( A )	Irms ( A )	TEST FREQ. ( f )
SSB3014-1R0N-LF	1.0 $\pm$ 30%	106	2.10	1.70	100KHz/0.1V
SSB3014-1R5N-LF	1.5 $\pm$ 30%	144	2.00	1.40	100KHz/0.1V
SSB3014-2R2N-LF	2.2 $\pm$ 30%	184	1.60	1.30	100KHz/0.1V
SSB3014-3R3N-LF	3.3 $\pm$ 30%	232	1.40	1.20	100KHz/0.1V
SSB3014-4R7N-LF	4.7 $\pm$ 30%	348	1.20	0.90	100KHz/0.1V
SSB3014-6R8N-LF	6.8 $\pm$ 30%	428	0.92	0.80	100KHz/0.1V
SSB3014-8R2N-LF	8.2 $\pm$ 30%	594	0.90	0.65	100KHz/0.1V
SSB3014-100M-LF	10.0 $\pm$ 20%	657	0.80	0.60	100KHz/0.1V
SSB3014-150M-LF	15.0 $\pm$ 20%	836	0.68	0.55	100KHz/0.1V
SSB3014-220M-LF	22.0 $\pm$ 20%	1131	0.56	0.50	100KHz/0.1V
SSB3014-330M-LF	33.0 $\pm$ 20%	1517	0.51	0.40	100KHz/0.1V
SSB3014-101M-LF	100 $\pm$ 20%	4850	0.28	0.20	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 +125°C.
- Packing : 13" reel, machine-ready ,embossed plastic tape ( 3,500 parts per full reel).