



SSB3014 SERIES – Low Profile SMD Power Inductors



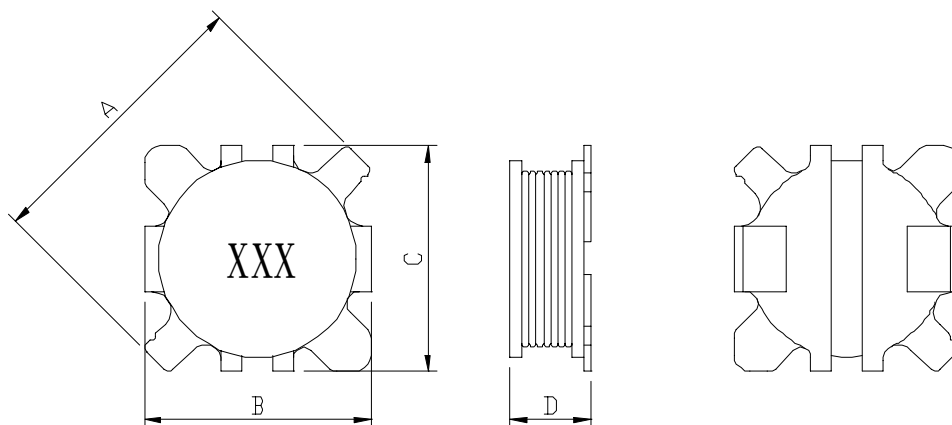
RoHS Compliant

PART NUMBERING SYSTEM

SSB	3 0 1 4	—	4 R 7 N	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

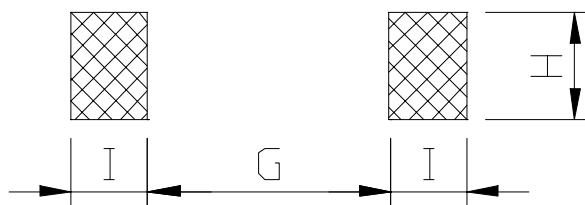
UNIT : mm



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 (μ H)	DCR (m Ω) (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 +85°C.
- Packing : 13" reel, machine-ready ,embossed plastic tape (3,500 parts per full reel).