



SSB3514 SERIES – Low Profile SMD Power Inductors



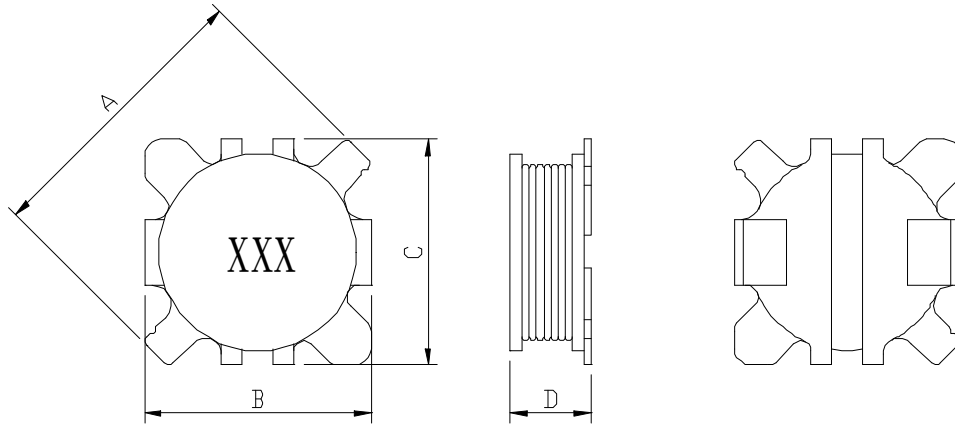
RoHS Compliant

PART NUMBERING SYSTEM

<u>SSB</u>	<u>3514</u>	—	<u>4R7N</u>	—	<u>LF</u>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

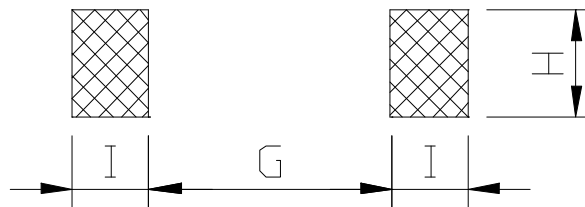
UNIT : mm



A=5.20 Max. B= 3.70±0.3 C=3.70±0.3 D=1.50 Max

RECOMMENDED PATTERNS

UNIT : mm



G=1.45 H=1.00 I=1.20



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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (m Ω) (Max.)	Isat (A)	Irms (A)	TEST FREQ. (f)
SSB3514-2R2N-LF	2.2 \pm 30%	87	1.90	1.90	100KHz/0.1V
SSB3514-3R3N-LF	3.3 \pm 30%	118	1.70	1.70	100KHz/0.1V
SSB3514-4R7N-LF	4.7 \pm 30%	178	1.40	1.35	100KHz/0.1V
SSB3514-6R8N-LF	6.8 \pm 30%	243	1.20	1.15	100KHz/0.1V
SSB3514-100M-LF	10.0 \pm 20%	344	0.90	0.88	100KHz/0.1V
SSB3514-150M-LF	15.0 \pm 20%	503	0.70	0.70	100KHz/0.1V
SSB3514-220M-LF	22.0 \pm 20%	747	0.60	0.60	100KHz/0.1V
SSB3514-330M-LF	33.0 \pm 20%	1176	0.50	0.47	100KHz/0.1V
SSB3514-470M-LF	47.0 \pm 20%	1748	0.40	0.35	100KHz/0.1V
SSB3514-221M-LF	220 \pm 20%	7503	0.21	0.18	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).