



SSB3517 SERIES – Low Profile SMD Power Inductors



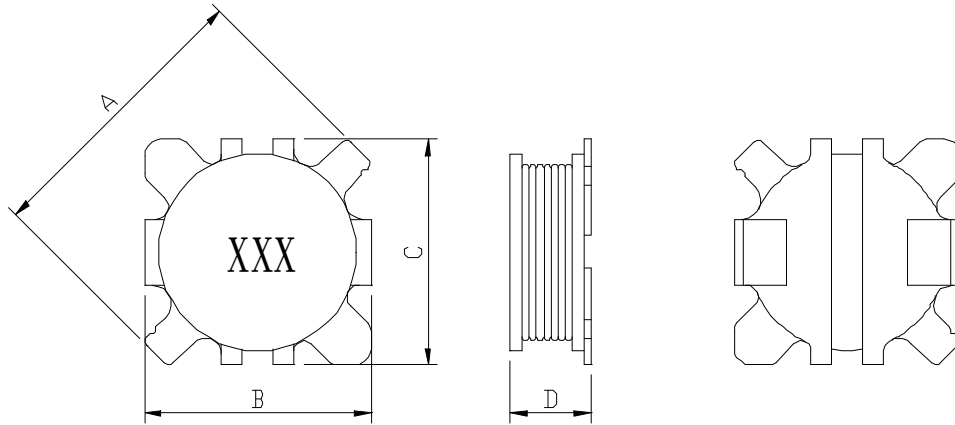
RoHS Compliant

PART NUMBERING SYSTEM

<u>SSB</u>	<u>3517</u>	—	<u>4R7N</u>	—	<u>LF</u>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

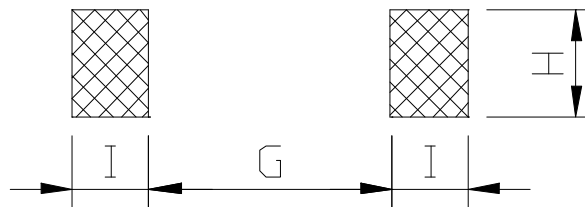
UNIT : mm



A=5.20 Max. B= 3.70±0.3 C=3.70±0.3 D=1.80 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)
SSB3517-1R0N-LF	1.0 \pm 30%	35	2.80	3.00	100KHz/0.1V
SSB3517-2R2N-LF	2.2 \pm 30%	63	1.95	2.15	100KHz/0.1V
SSB3517-3R3N-LF	3.3 \pm 30%	94	1.53	1.74	100KHz/0.1V
SSB3517-4R7N-LF	4.7 \pm 30%	126	1.40	1.63	100KHz/0.1V
SSB3517-6R8N-LF	6.8 \pm 30%	188	1.13	1.35	100KHz/0.1V
SSB3517-100M-LF	10.0 \pm 20%	290	0.90	1.02	100KHz/0.1V
SSB3517-150M-LF	15.0 \pm 20%	402	0.75	0.80	100KHz/0.1V
SSB3517-220M-LF	22.0 \pm 20%	540	0.65	0.69	100KHz/0.1V
SSB3517-330M-LF	33.0 \pm 20%	888	0.50	0.48	100KHz/0.1V
SSB3517-470M-LF	47.0 \pm 20%	1130	0.38	0.46	100KHz/0.1V
SSB3517-221M-LF	220 \pm 20%	5322	0.16	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).