



SSB5410 SERIES – Low Profile SMD Power Inductors



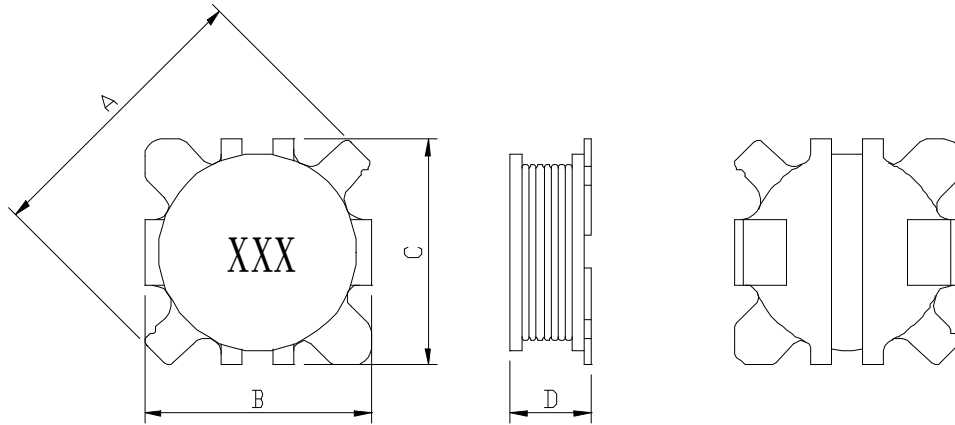
RoHS Compliant

PART NUMBERING SYSTEM

<u>SSB</u>	<u>5410</u>	—	<u>100M</u>	—	<u>LF</u>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

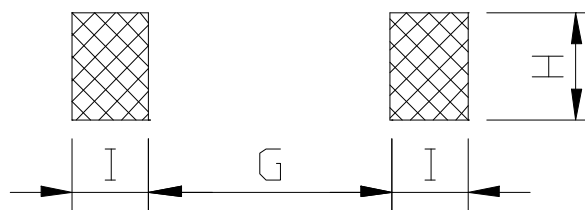
UNIT : mm



A=7.90 Max. B= 5.60±0.3 C=5.60±0.3 D=1.05 Max

RECOMMENDED PATTERNS

UNIT : mm



G=1.75 H=2.50 I=2.50



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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR ($m\Omega$) (Max.)	Isat (A)	Irms (A)	TEST FREQ. (f)
SSB5410-3R3N-LF	3.3 \pm 30%	150	1.30	1.65	100KHz/0.1V
SSB5410-4R7N-LF	4.7 \pm 30%	196	1.10	1.31	100KHz/0.1V
SSB5410-6R8N-LF	6.8 \pm 30%	275	0.90	1.08	100KHz/0.1V
SSB5410-100M-LF	10.0 \pm 20%	405	0.80	0.86	100KHz/0.1V
SSB5410-150M-LF	15.0 \pm 20%	587	0.65	0.72	100KHz/0.1V
SSB5410-220M-LF	22.0 \pm 20%	881	0.52	0.65	100KHz/0.1V
SSB5410-330M-LF	33.0 \pm 20%	1266	0.42	0.54	100KHz/0.1V
SSB5410-470M-LF	47.0 \pm 20%	1808	0.36	0.43	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).