



SSB5412 SERIES – Low Profile SMD Power Inductors



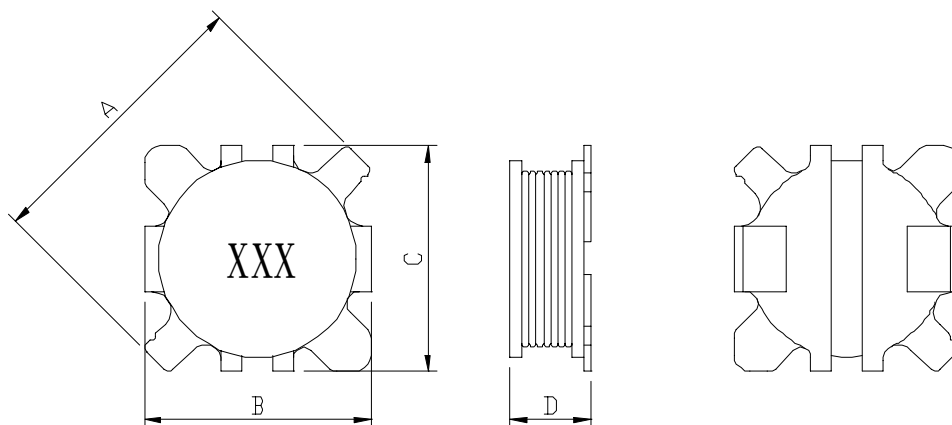
RoHS Compliant

PART NUMBERING SYSTEM

SSB	5 4 1 2	—	1 0 0 M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

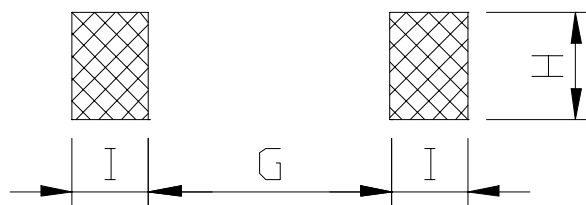
UNIT : mm



A=7.90 Max. B= 5.60±0.3 C=5.60±0.3 D=1.20 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)
SSB5412-2R2N-LF	2.2 \pm 30%	87	1.40	1.95	100KHz/0.1V
SSB5412-3R3N-LF	3.3 \pm 30%	104	1.18	1.85	100KHz/0.1V
SSB5412-4R7N-LF	4.7 \pm 30%	143	0.90	1.60	100KHz/0.1V
SSB5412-6R8N-LF	6.8 \pm 30%	200	0.73	1.35	100KHz/0.1V
SSB5412-100M-LF	10.0 \pm 20%	276	0.62	1.12	100KHz/0.1V
SSB5412-150M-LF	15.0 \pm 20%	408	0.50	0.90	100KHz/0.1V
SSB5412-220M-LF	22.0 \pm 20%	551	0.41	0.80	100KHz/0.1V
SSB5412-330M-LF	33.0 \pm 20%	768	0.39	0.68	100KHz/0.1V
SSB5412-470M-LF	47.0 \pm 20%	1079	0.32	0.55	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).