



SSB3514 SERIES - Low Profile Shielded Power Inductors



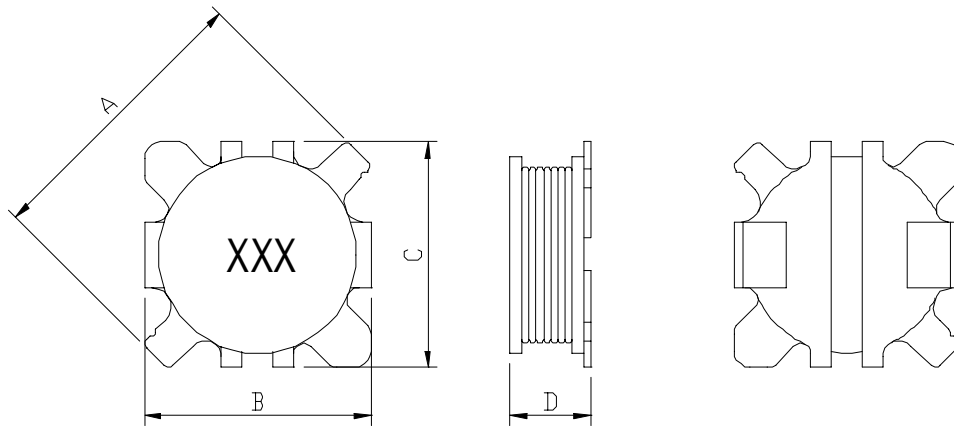
RoHS Compliant

PART NUMBERING SYSTEM

| | | | | | |
|------------|----------------|---|----------------|---|-----------|
| SSB | 3 5 1 4 | - | 1 0 0 M | - | LF |
| TYPE | DIMENSIONS | | INDUCTANCE | | LEAD FREE |

SHAPES AND DIMENSIONS

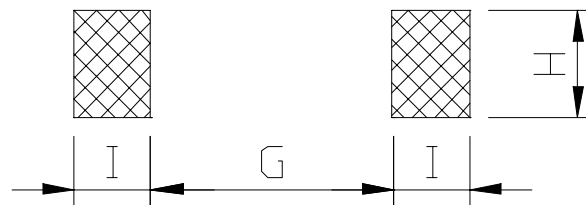
UNIT : mm



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 +85°C.

Packing : 13" reel, machine-ready ,embossed plastic tape (3,500 parts per full reel).