



SSB5015D SERIES

Low Profile Power Inductors



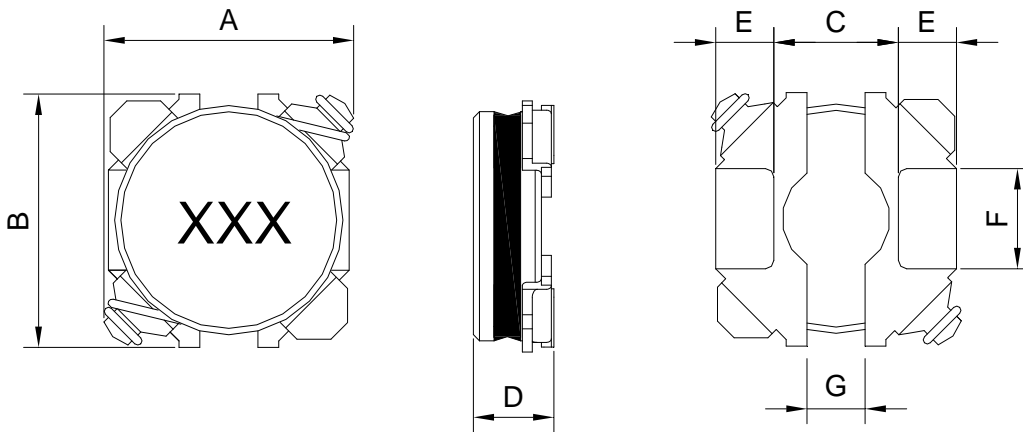
RoHS Compliant

PART NUMBERING SYSTEM

| | | | | | |
|------------|--------------|---|-------------|---|-----------|
| SSB | 5015D | — | 470M | — | LF |
| TYPE | DIMENSIONS | | INDUCTANCE | | LEAD FREE |

SHAPES AND DIMENSIONS

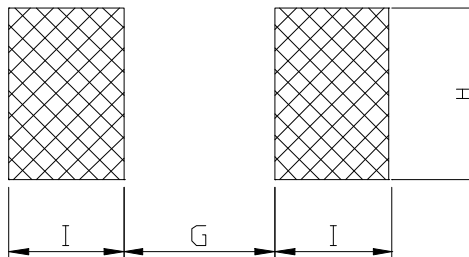
UNIT : mm



A=5.1 Max. B=5.1 Max. D=1.5 Max.

RECOMMENDED PATTERNS

UNIT : mm



G=1.4 H=5.4 I=2.0



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ELECTRICAL CHARACTERISTICS :

| PART NUMBER | INDUCTANCE (μ H) | DCR (Ω) Max.(Typ.) | Isat (A) (Max.) | Irms (A) (Max.) | Stamp |
|------------------|--------------------------|--------------------------------|----------------------|----------------------|-------|
| SSB5015D-1R0N-LF | 1.0 \pm 30% | 62.4m(52m) | 3.50 | 2.05 | 1R0 |
| SSB5015D-1R5N-LF | 1.5 \pm 30% | 73.2m(61m) | 3.00 | 1.90 | 1R5 |
| SSB5015D-2R2N-LF | 2.2 \pm 30% | 85.2m(71m) | 2.50 | 1.75 | 2R2 |
| SSB5015D-3R3N-LF | 3.3 \pm 30% | 0.111(92m) | 2.10 | 1.65 | 3R3 |
| SSB5015D-4R7M-LF | 4.7 \pm 20% | 0.120(0.10) | 1.90 | 1.55 | 4R7 |
| SSB5015D-6R8N-LF | 6.8 \pm 20% | 0.168(0.14) | 1.60 | 1.35 | 6R8 |
| SSB5015D-100M-LF | 10 \pm 20% | 0.252(0.21) | 1.30 | 1.10 | 100 |
| SSB5015D-150M-LF | 15 \pm 20% | 0.336(0.28) | 1.00 | 0.97 | 150 |
| SSB5015D-220M-LF | 22 \pm 20% | 0.480(0.40) | 0.80 | 0.79 | 220 |
| SSB5015D-330M-LF | 33 \pm 20% | 0.732(0.61) | 0.65 | 0.60 | 330 |
| SSB5015D-470M-LF | 47 \pm 20% | 1.020(0.85) | 0.55 | 0.51 | 470 |

- Inductance tested at 100 kHz, 0.1 Vrms, 0 Adc using an Agilent/HP 4284B LCR meter or equivalent.
- Isat : DC current at which the inductance drops 30% (typ) from its value without current.
- Iirms: The actual current when temperature of coil becomes Δ 40°C . (Ta=+25°C)
 Operating temperature range -40°C to +125°C , Electrical specifications at 25°C.