

ADSL Magnetics

Lucent



TM01342

- Designed to comply with the requirements of UL1950 and EN60950 to provide a supplementary insulation barrier with a working voltage of 250V
- UL File Number E150991
- Minimum interwinding breakdown voltage of 1500 Vrms
- Operating and storage temperature range: -40° to +85°C
- Meets IEC 695, 2-2 flammability requirements
- PWB Process Capability: standard printed wiring board assembly techniques, total-immersion cleaning
- Reliability testing: shock, vibration, temperature cycling, temperature - humidity - bias

ELECTRICAL SPECIFICATIONS at 25°C

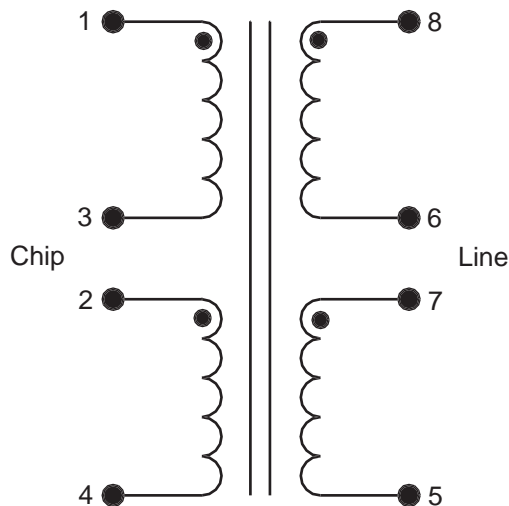
| Part Number | Turns Ratio ±2% | Inductance ¹ µH ±5% | Leakage Inductance ² µH max | DCR Ω max | | Interwinding Capacitance ³ pF max | Longitudinal Balance ⁴ dB min | Insertion Loss ⁴ dB max | Frequency Response ⁴ dB max | Harmonic Distortion ⁴ dB max |
|--------------|--------------------|-----------------------------------|---|--------------|-----------|---|---|---------------------------------------|---|--|
| | Chip : Line | Line Side | Line Side | Chip Side | Line Side | | 30 kHz - 1.1 MHz | 300 kHz | 30 kHz - 1.1MHz | 100 kHz 2 Vrms |
| 0560-6600-N6 | 1 : 2 | 225 | 10 | 2.7 | 3.1 | 50 | 55 | 1 | 0.5 | -80 |

All measurements are made with pins 2 and 3 connected and pins 6 and 7 connected

1. Inductance measured at 10 kHz, 0.1 Vac
2. Leakage inductance measured at 100 kHz, 0.1 Vac
3. Interwinding capacitance measured at 1 kHz, 1 Vac
4. Measurements made with 100Ω source and 25Ω load impedance

SCHEMATIC

0560-6600-N6

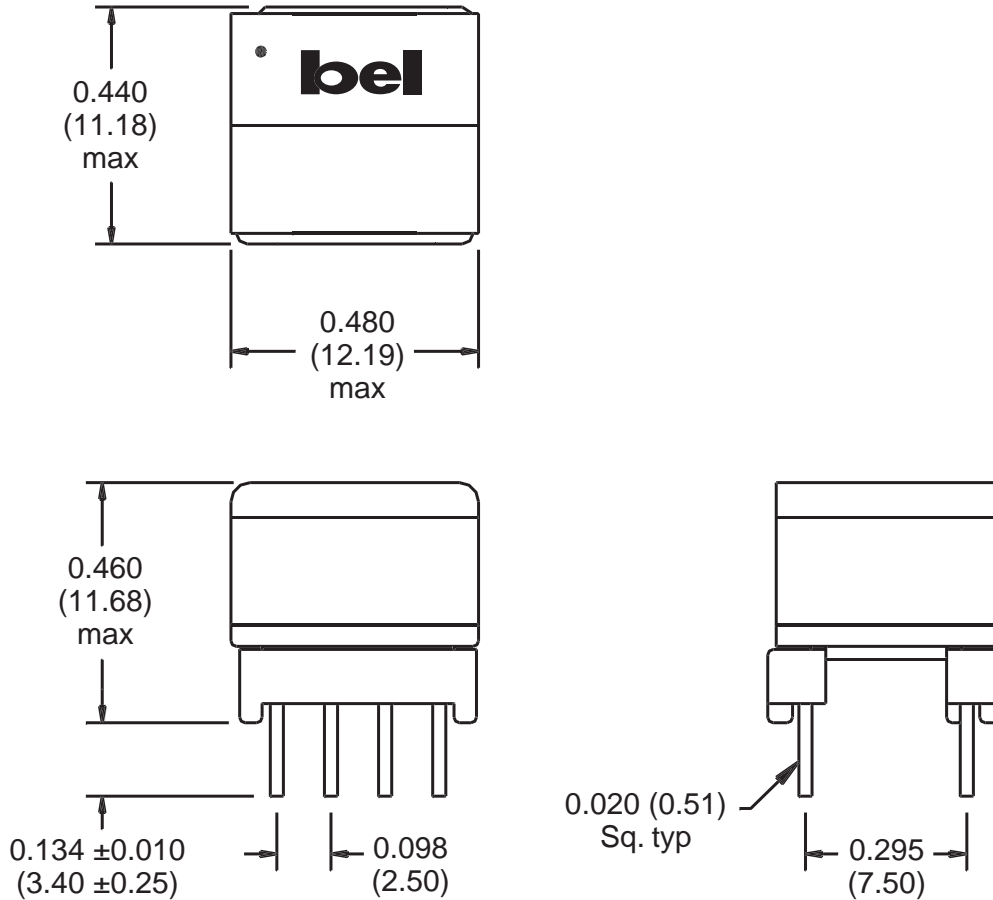


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MECHANICAL

0560-6600-N6



Dimensions are in inches (millimeters).
Standard dimension tolerance is ± 0.005 (0.13) unless otherwise noted.

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