

# 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

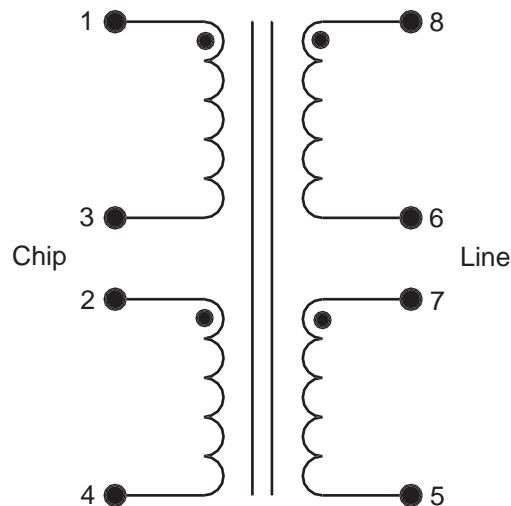
Part Number	Turns Ratio ±2%	Inductance <sup>1</sup> µH ±5%	Leakage Inductance <sup>2</sup> µH max	DCR Ω max		Interwinding Capacitance <sup>3</sup> pF max	Longitudinal Balance <sup>4</sup> dB min	Insertion Loss <sup>4</sup> dB max	Frequency Response <sup>4</sup> dB max	Harmonic Distortion <sup>4</sup> 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

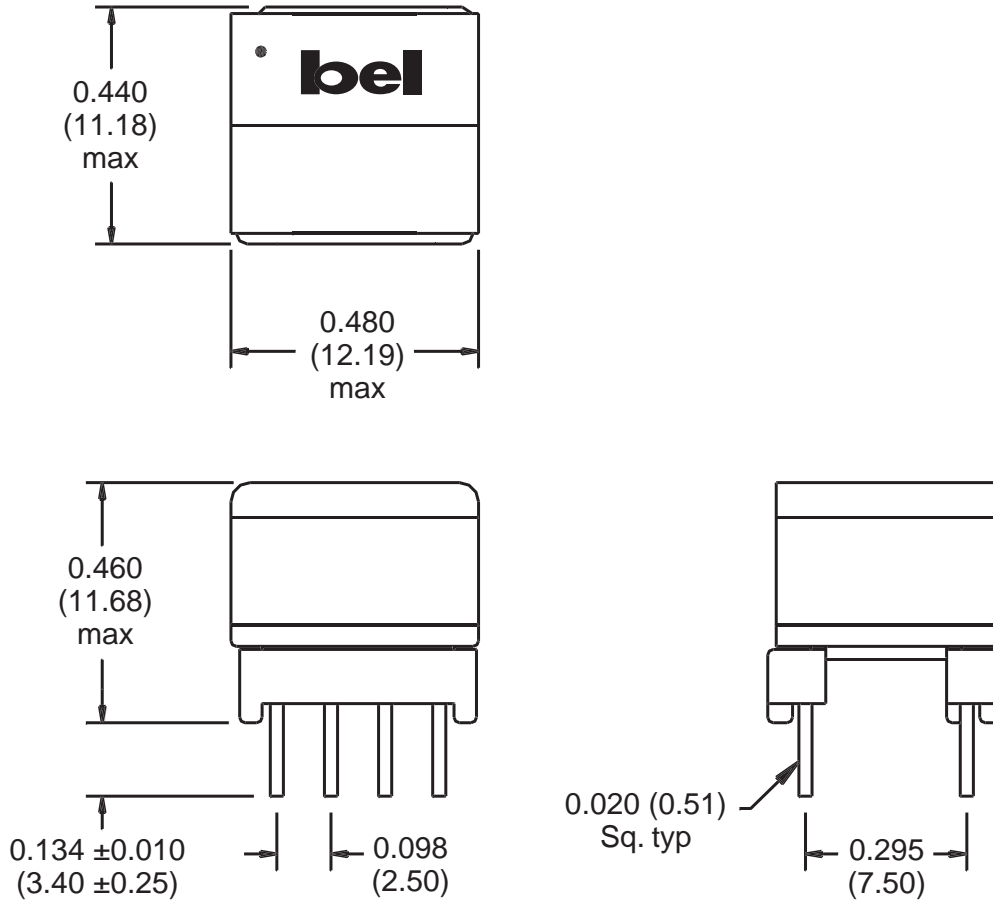


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### MECHANICAL

0560-6600-N6



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

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