

## ADSL Magnetics

Centillium



TM01349

- Designed to comply with the requirements of GR1089, UL1950, EN60950, BABT and CSA950 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<br>±2% | Inductance <sup>1</sup><br>μH ±5% | Leakage<br>Inductance <sup>2</sup><br>μH max | DCR<br>Ω<br>max |              | Longitudinal<br>Balance<br>dB min | Insertion<br>Loss<br>dB max | Harmonic<br>Distortion <sup>3</sup><br>dB max |
|--------------|--------------------|-----------------------------------|----------------------------------------------|-----------------|--------------|-----------------------------------|-----------------------------|-----------------------------------------------|
|              | Chip : Line        | Line Side                         | Line Side                                    | Chip<br>Side    | Line<br>Side | 20 kHz -<br>1.2 MHz               | 50 kHz -<br>1.2 MHz         | 30 kHz -<br>1.2 MHz                           |
| 0560-6600-BA | 1 : 1              | 850                               | 5                                            | 2.7             | 2.9          | -55                               | 1                           | -80                                           |

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

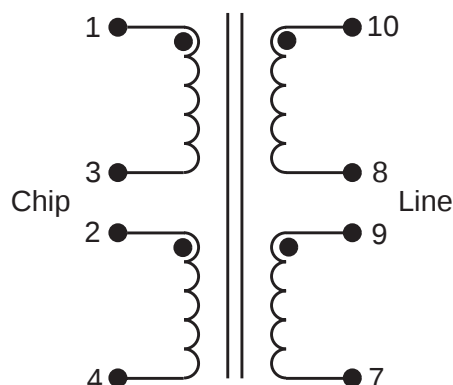
1. Inductance measured at 10 kHz, 0.1 Vac

2. Leakage inductance measured at 100 kHz, 0.1 Vac

3. Measurements made with 100Ω source and 100Ω load impedance with 5.3 Vrms on IC side

### SCHEMATIC

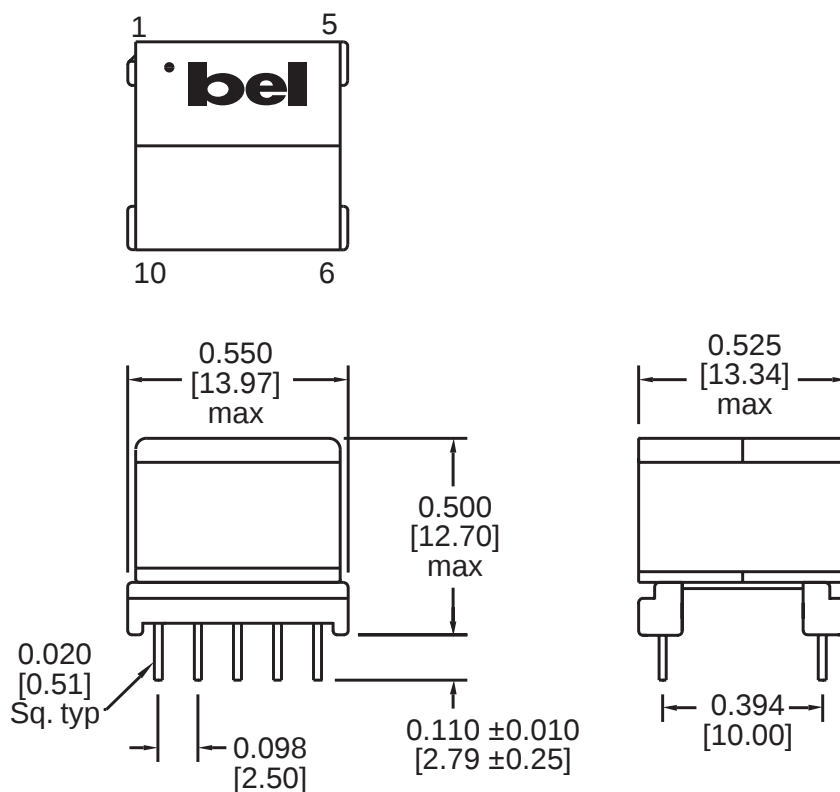
0560-6600-BA



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### MECHANICAL

0560-6600-BA



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

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