

- 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
- 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

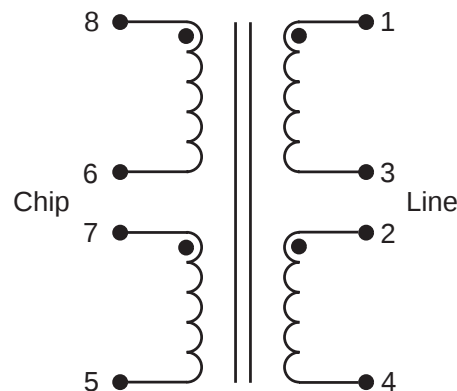
| Part Number  | Turns Ratio<br>±2% | Inductance <sup>1</sup><br>μH ±5% | Leakage Inductance <sup>2</sup><br>μH max | Direct Capacitance <sup>3</sup><br>pF max | DCR<br>Ω max |           | Longitudinal Balance <sup>2</sup><br>dB min | Insertion Loss <sup>2</sup><br>dB max | Frequency Response <sup>2</sup><br>dB max | Total Harmonic Distortion <sup>4</sup><br>dB max |
|--------------|--------------------|-----------------------------------|-------------------------------------------|-------------------------------------------|--------------|-----------|---------------------------------------------|---------------------------------------|-------------------------------------------|--------------------------------------------------|
|              | Chip : Line        | Line Side                         | Line Side                                 | 1 & 8                                     | Chip Side    | Line Side | 1.1 MHz                                     | 100 kHz                               | 40 kHz - 300 kHz                          | 20 Vpp 100 kHz                                   |
| S560-6600-CA | 1 : 1              | 280                               | 8                                         | 50                                        | 1.8          | 1.8       | 55                                          | 0.5                                   | ±0.3                                      | -70                                              |

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

- Inductance measured at 10 kHz, 0.1 Vac
- Measured at 100 kHz, 0.1 Vac
- Interwinding capacitance measured at 10 kHz, 0.1 Vac
- Measured with line impedance of 100 Ω and chip impedance of 100 Ω

## SCHEMATIC

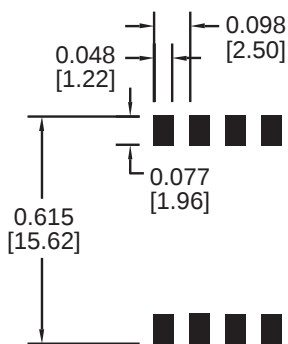
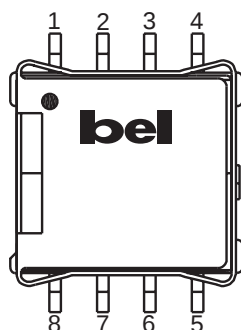
S560-6600-CA



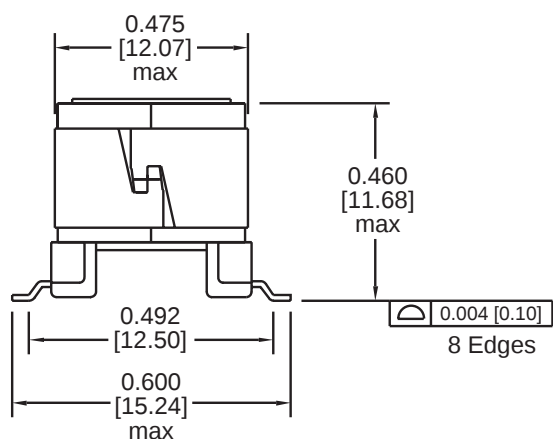
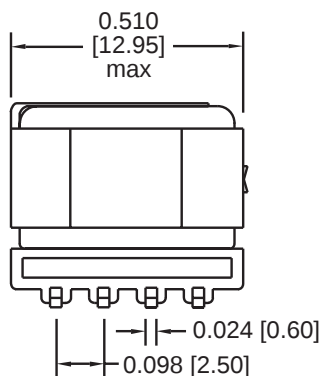
TM01388

#### MECHANICAL

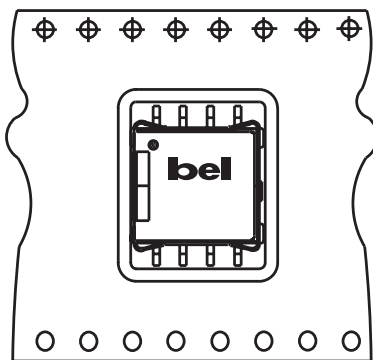
S560-6600-CA



Suggested PCB Pad Layout



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



User Feed Direction

Orientation of Component Inside Pocket

#### Tape and Reel Packaging

32 mm wide by 24 mm pitch; 13 inch OD, 4 inch ID  
200 components per reel, maximum  
Meets ANSI/EIA 481-2 Carrier Tape Standards

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