

# ADSL Magnetics



TM02302

- Designed to comply with the requirements of UL1950 and EN60950 to provide a supplementary insulation barrier with a working voltage of 250V
- Minimum interwinding breakdown voltage of 1500 Vrms
- Minimum interwinding breakdown voltage of 600 Vrms between pin 9 and 10 for 1 minute
- 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 ±10%	Leakage Inductance <sup>2</sup> µH max	DCR Ω max	
	Chip : Line	Line Side	Chip Side	Chip Side	Line Side
S560-6600-EK	1 : 2.2	800	5	3.3	2.5

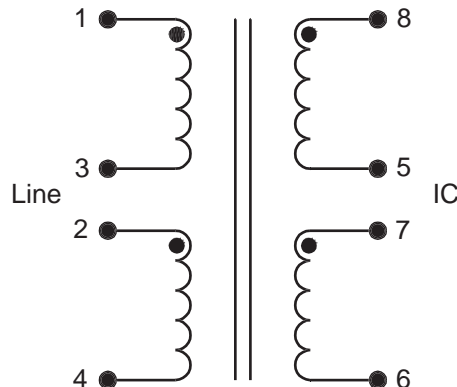
All measurements are made with pins 2 and 4 connected and pins 1 and 9 connected

1. Inductance measured at 10 kHz, 0.1 Vac

2. Measured at 100 kHz, 0.1 Vac

## SCHEMATIC

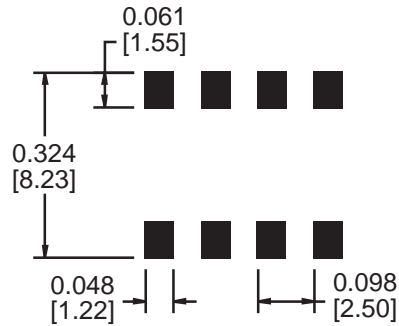
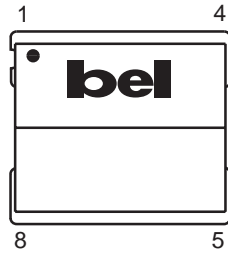
S560-6600-EK



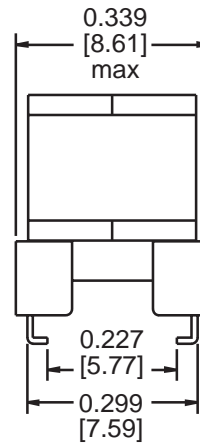
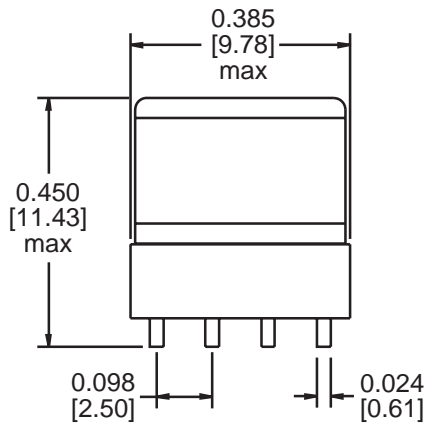
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### MECHANICAL

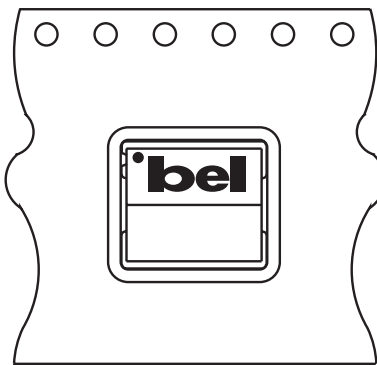
S560-6600-EK



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

24 mm wide by 16 mm pitch; 13 inch OD, 4 inch ID  
300 components per reel, maximum  
Meets ANSI/EIA 481-2 Carrier Tape Standards

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