

# G.SHDSL Magnetics



TM02304

- Designed to comply with the requirements of UL1950, BABT, CSA950, AS/N253260 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> mH ±5%	Leakage Inductance <sup>2</sup> µH max	DCR Ω max		Longitudinal Balance dB min	Insertion Loss dB max	Harmonic Distortion <sup>3</sup> dB max
	Chip : Line	Line Side	Chip Side	Chip Side	Line Side	10 kHz - 400 kHz	300 kHz	13.5 dBm @ 5 kHz
S560-6600-EZ	1 : 1.8	2.75	17	4.4	1.85	50	1.6	78

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

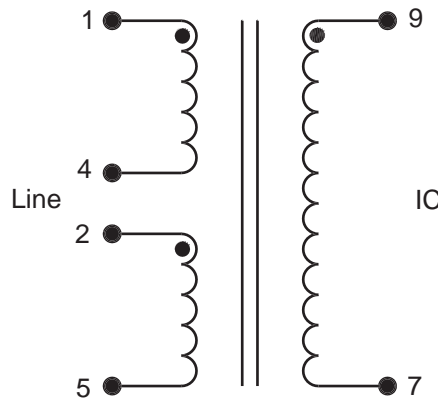
1. Inductance measured at 10 kHz, 0.1 Vac

2. Measured at 100 kHz, 0.1 Vac

3. Measured with line impedance of 135 Ω and chip impedance of 41.66 Ω

## SCHEMATIC

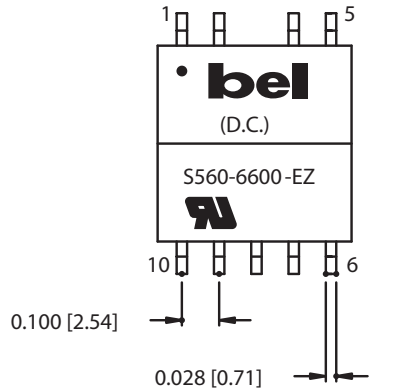
S560-6600-EZ



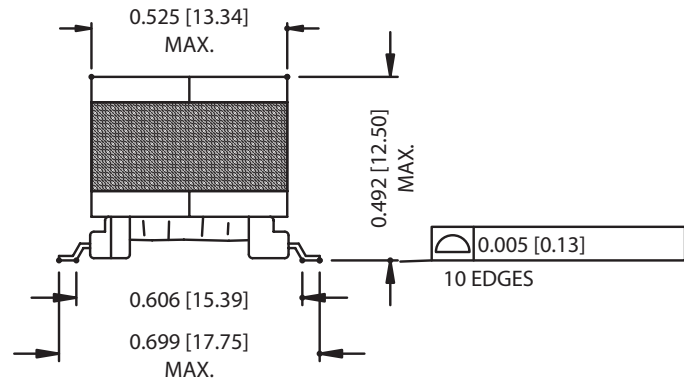
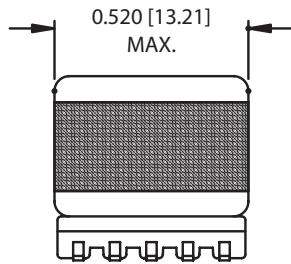
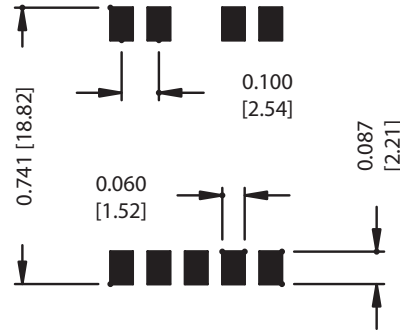
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### MECHANICAL

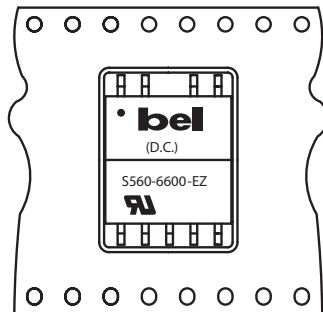
S560-6600-EZ



### SUGGESTED 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 20 mm pitch; 13 inch OD, 4 inch ID  
200 components per reel, maximum  
Meets ANSI/EIA 481-2-A Carrier Tape Standards

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