

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 ¹ mH ±5% | Leakage Inductance ² µH max | DCR Ω max | | Longitudinal Balance dB min | Insertion Loss dB max | Harmonic Distortion ³ 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

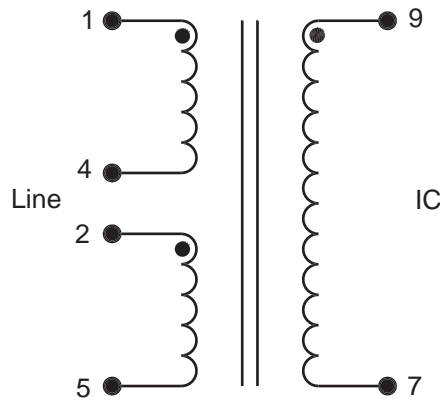
1. Inductance measured at 10 kHz, 0.1 Vac

2. Measured at 100 kHz, 0.1 Vac

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

SCHEMATIC

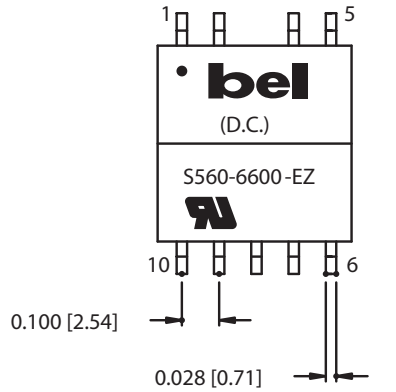
S560-6600-EZ



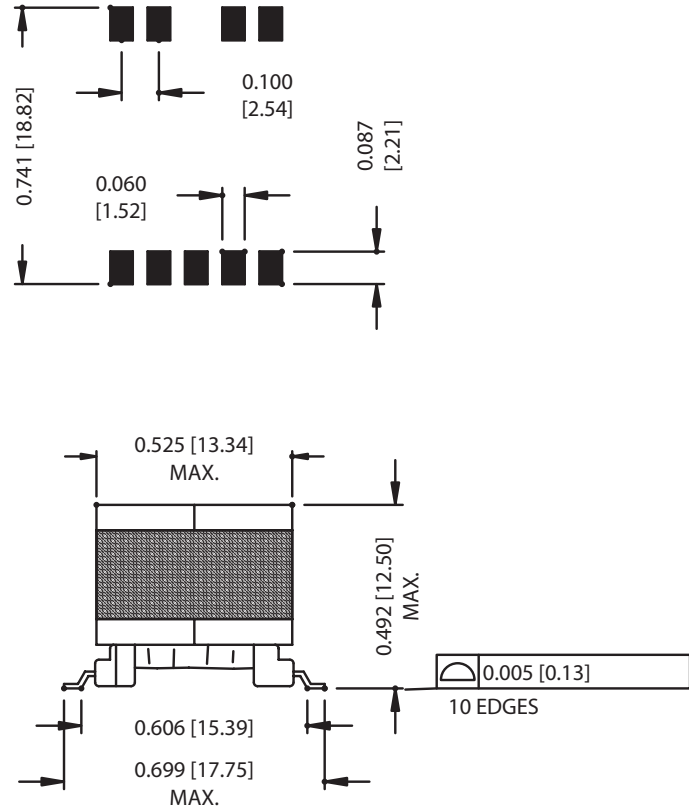
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MECHANICAL

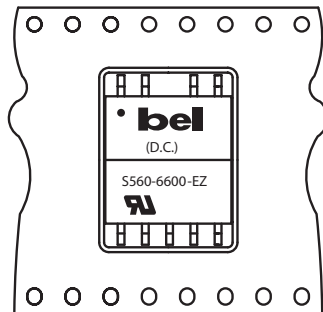
S560-6600-EZ



SUGGESTED PAD LAYOUT



Dimensions are in inches [millimeters].
Standard dimension tolerance is ± 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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