



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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

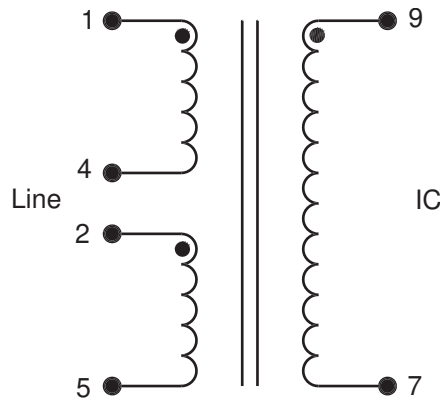
1. Inductance measured at 10 kHz, 0.1 Vac

2. Measured at 100 kHz, 0.1 Vac

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

SCHEMATIC

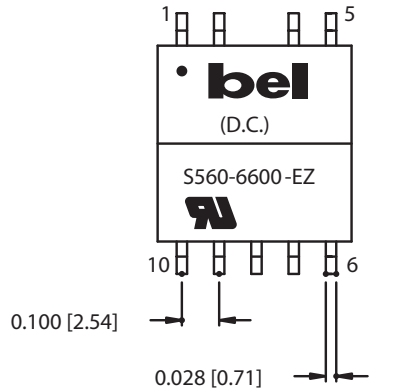
S560-6600-EZ



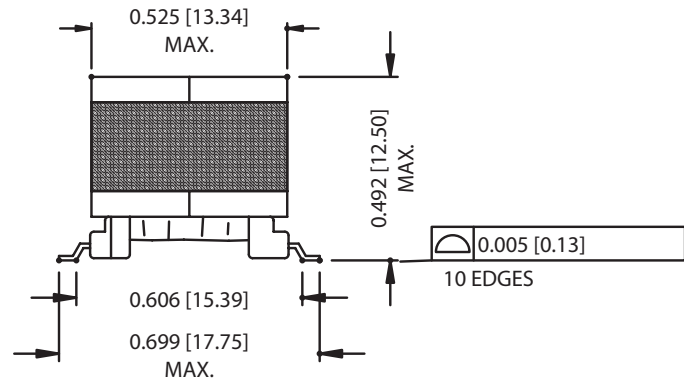
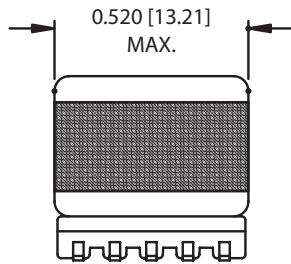
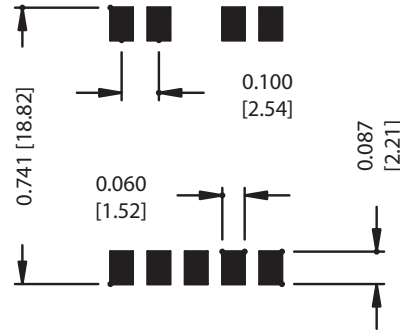
TM02304

MECHANICAL

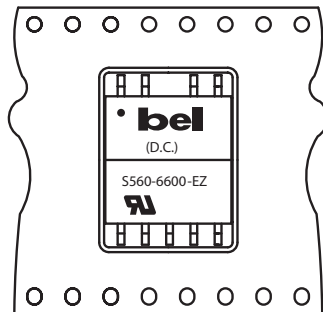
S560-6600-EZ



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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