

HDSL & G.SHDSL Magnetics

GlobespanVirata



TM02308

- Designed for G2237 DSP and 3137 AFE
- Designed to comply with the requirements of GR1089 power fault, UL1950 and EN60950 to provide an insulation barrier with a working voltage of 250V
- Minimum interwinding breakdown voltage of 1500 Vrms
- Minimum interwinding breakdown voltage of 600 Vrms between line center tap or pin 1 and 2
- 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

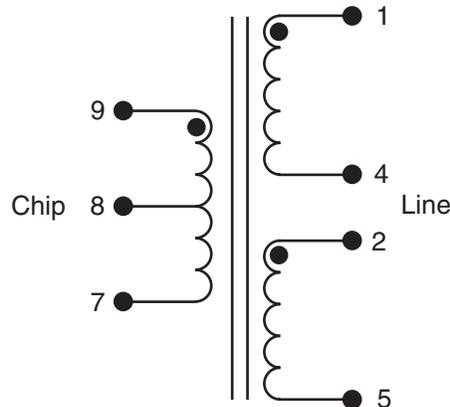
| Part Number | Turns Ratio ±2% | Inductance ¹ mH ±5% | Leakage Inductance ² µH max | DCR Ω max | | Longitudinal Balance ³ dB max | Insertion Loss dB max | Harmonic Distortion ³ dB max |
|--------------|--------------------|-----------------------------------|--|-----------------|-----------|--|-----------------------------|---|
| | Chip : Line | Line Side | Line Side | Chip Side | Line Side | 20 kHz - 300 kHz | 100 kHz | 2 Vrms 5 kHz |
| S560-6600-GK | 1 : 4 | 2 | 10 | 0.45 | 2.6 | -55 | 0.5 | -80 |

All measurements are made with pins 2 and 4 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 8.4 Ω

SCHEMATIC

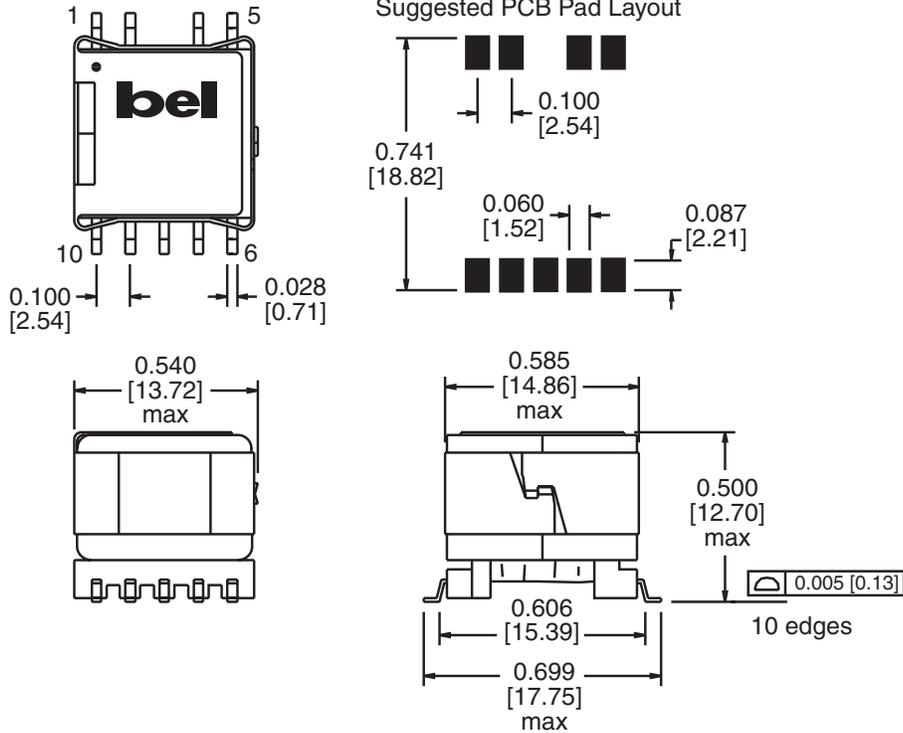
S560-6600-GK



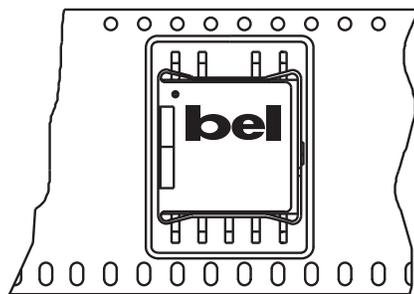
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MECHANICAL

S560-6600-GK



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 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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