

ADSL Magnetics

GlobeSpan

TM01345

- Designed to comply with the requirements of UL1950 and EN60950 to provide a supplementary insulation barrier with a working voltage of 250V
- UL File Number E150991
- Minimum interwinding breakdown voltage of 1500 Vrms
- Longer terminal foot provides additional surface tension, assisting with component placement
- 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

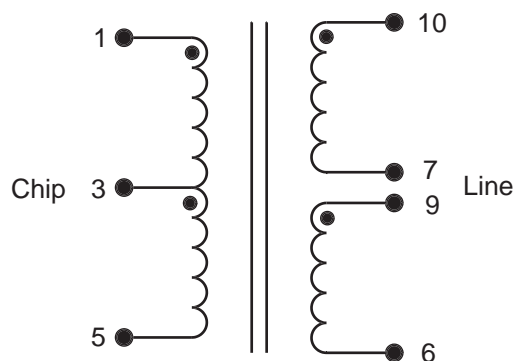
Part Number	Turns Ratio ±2%	Inductance ¹ mH ±5%	Leakage Inductance ² µH max	DCR Ω max		Interwinding Capacitance ³ pF max	Longitudinal Balance ⁴ dB min	Insertion Loss ⁴ dB max	Frequency Response ⁴ dB max	Harmonic Distortion ⁴ dB max
	Chip : Line	Line Side	Line Side	Chip Side	Line Side		30 kHz - 1.1 MHz	300 kHz	30 kHz - 1.1MHz	40 kHz 2 Vrms
S560-6600-U2	1 : 2.2	3	12	1.7	4.4	80	55	1.0	0.5	-85

All measurements are made with pins 7 and 9 connected

1. Inductance measured at 10 kHz, 0.1 Vac
2. Leakage inductance measured at 100 kHz, 0.1 Vac
3. Interwinding capacitance measured at 1 kHz, 1 Vac
4. Measurements made with 100Ω source and 28Ω load impedance

SCHEMATIC

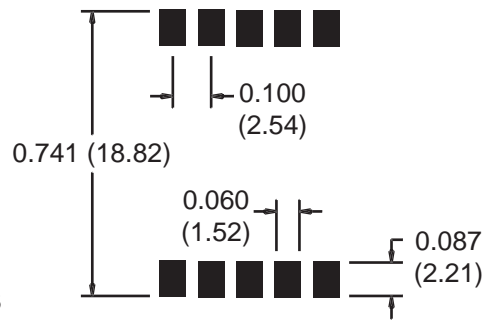
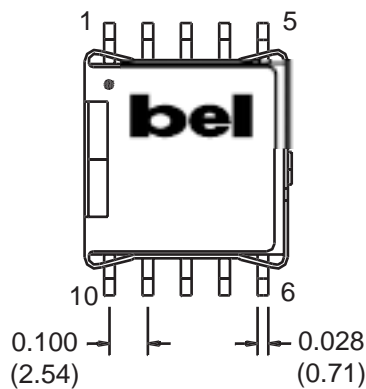
S560-6600-U2



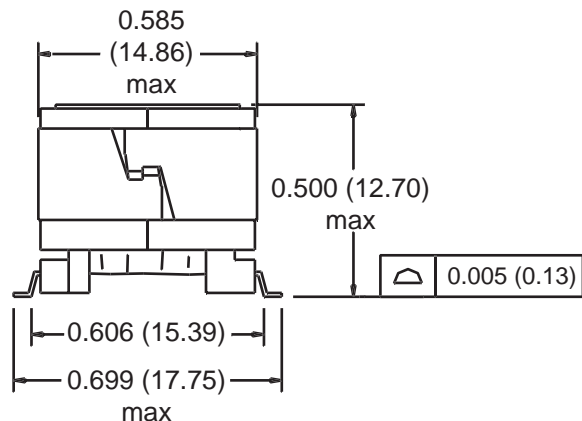
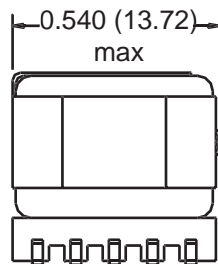
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MECHANICAL

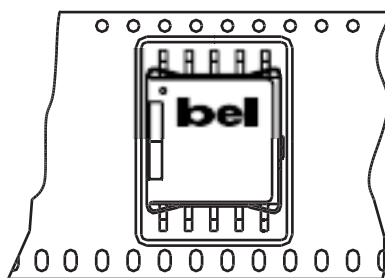
S560-6600-U2



Suggested PCB 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 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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