

ADSL Magnetics

TM02303

- Used in conjunction with the S560-6600-EB transformer in ADI's ADSL over POTS Eagle design
- 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 E169987
BABT certificate NC / 011557
- Minimum interwinding breakdown voltage of 1500 Vrms
- 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 µH ±7%	Leakage Inductance µH max	DCR Ω ±10%		Longitudinal Balance ² dB min	Insertion Loss ² dB max	Frequency Response ² dB max	Harmonic Distortion ² dB max
	Chip : Line	Line Side	Line Side	Chip Side	Line Side	10 kHz - 1.1 MHz	300 kHz	100 kHz - 1.1 MHz	4 Vac 40 kHz
S560-6600-EP	1.41 : 1	400	10	2.2	2.0	46	0.5	±0.5	-80

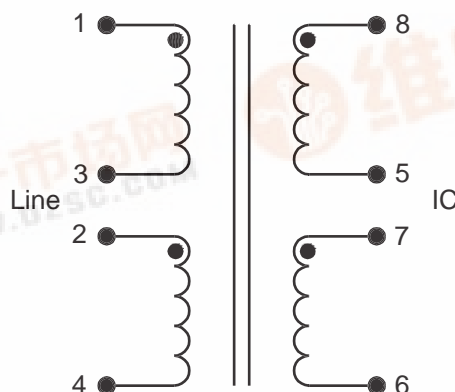
All measurements are made with pins 2 and 3 connected and pins 5 and 7 connected

1. Inductance measured at 10 kHz, 0.1 Vac

2. Measured with line impedance of 100 Ω

SCHEMATIC

S560-6600-EP



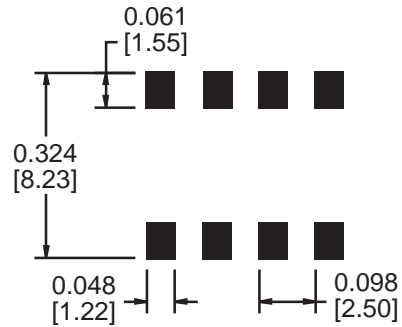
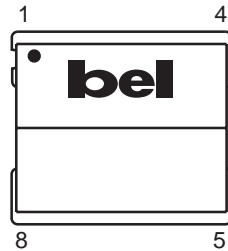


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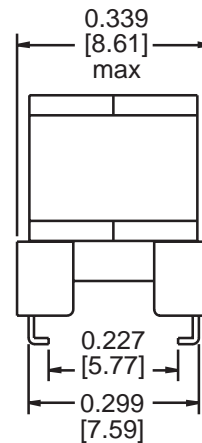
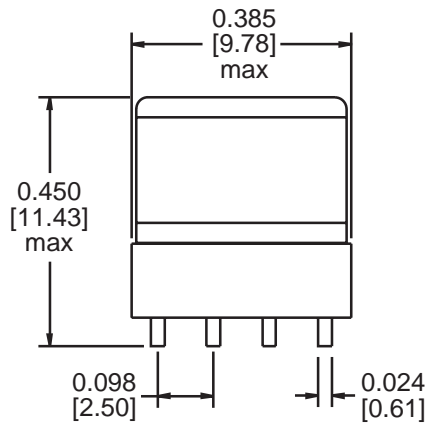
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MECHANICAL

S560-6600-EP

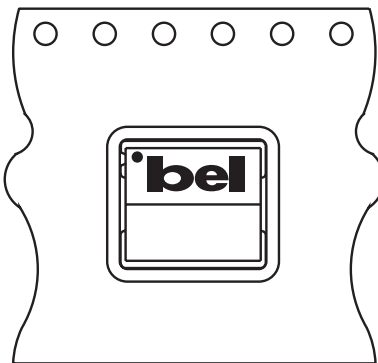


Suggested PCB Pad Layout



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

24 mm wide by 16 mm pitch; 13 inch OD, 4 inch ID
300 components per reel, maximum
Meets ANSI/EIA 481-2 Carrier Tape Standards

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CORPORATE

Bel Fuse Inc.
206 Van Vorst Street
Jersey City, NJ 07302
Tel 201-432-0463
Fax 201-432-9542
www.belfuse.com

FAR EAST

Bel Fuse Ltd.
8F / 8 Luk Hop Street
San Po Kong
Kowloon, Hong Kong
Tel 852-2328-5515
Fax 852-2352-3706
www.belfuse.com

EUROPE

Bel Fuse Europe Ltd.
Preston Technology Management Centre
Marsh Lane, Suite G7, Preston
Lancashire, PR1 8UD, U.K.
Tel 44-1772-556601
Fax 44-1772-888366
www.belfuse.com