

SHDSL, HDSL2 & HDSL4 Magnetics

GlobespanVirata G2237

TM02394

- Designed to comply with the requirements of GR1089 Power Fault, UL1950 and EN60950 supplementary insulation with 250 VAC working voltage
- UL file number E169987, BABT certificate number NC011559, CB certificate number 14210
- Minimum interwinding breakdown voltage of 1500 Vrms for 1 minute between line and chip
- Minimum interwinding breakdown voltage of 600 Vrms for 1 minute 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
- All specifications must be met for any DC unbalance current up to 100mA max in the line side

ELECTRICAL SPECIFICATIONS AT 25° C

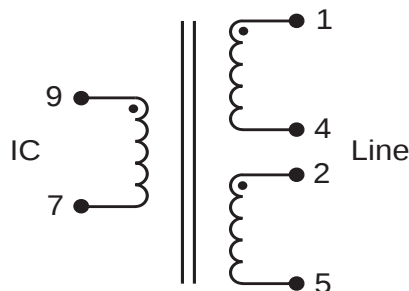
Part Number	Turns Ratio ±2%	Inductance ¹ mH ±6%	Leakage Inductance ² µH max	DCR Ω max		Interwinding Capacitance ³ pF max	Longitudinal Balance ⁴ dB max	Insertion Loss ⁴ dB max	Return Loss ⁴ dB min	Harmonic Distortion ⁴ dB max
	IC : Line	(1-5)	(1-5)	IC Side	Line Side	IC : Line	DC - 500kHz	100kHz	40kHz - 500kHz	4 Vrms 5kHz
S560-6600-DJ	1 : 5.4	3	15	0.35	3.8	160	-55	0.50	15	79

All measurements are made with pins 2 and 4 connected except for breakdown voltage between pin 1 and 2

- Inductance measured at 10 kHz, 0.1 Vac
- Leakage inductance measured at 100 kHz, 0.1 Vac
- Interwinding capacitance measured at 10 kHz, 1.0 Vac
- Measured with line impedance of 135 Ω and chip impedance of 4.6 Ω

SCHEMATIC

S560-6600-DJ



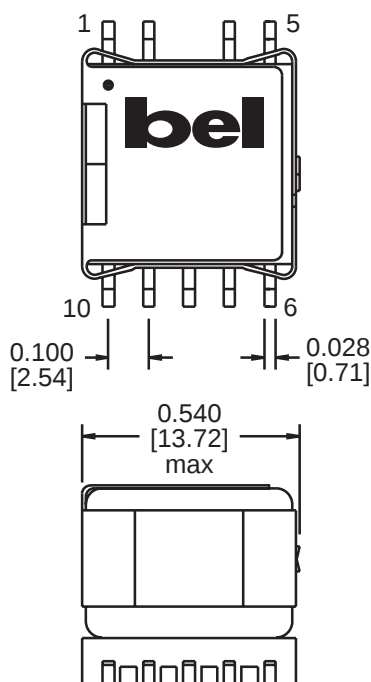


TM02394

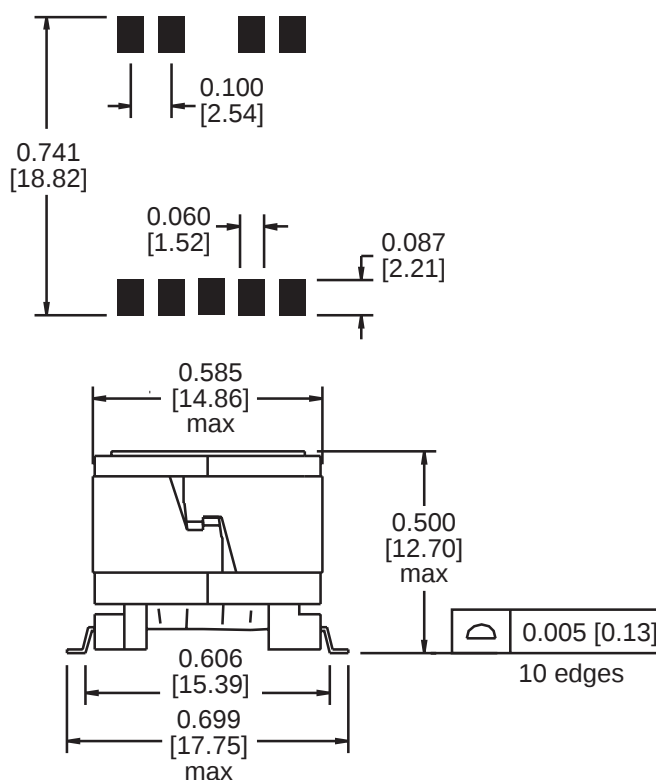
SHDSL, HDSL2 & HDSL4 Magnetics GlobespanVirata G2237

MECHANICAL

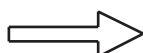
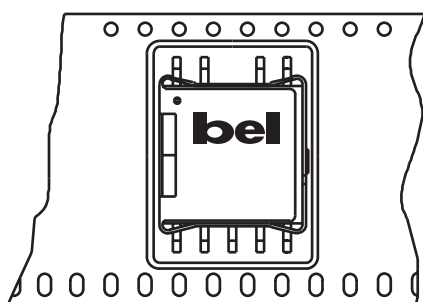
S560-6600-DJ



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

©2004 Bel Fuse Inc. Specifications subject to change without notice. 01.04

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