

- Designed to comply with the requirements of GR1089, UL1950, EN60950, BABT and CSA950 to provide a supplementary insulation barrier with a working voltage of 250V
- UL File Number E150991
- 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

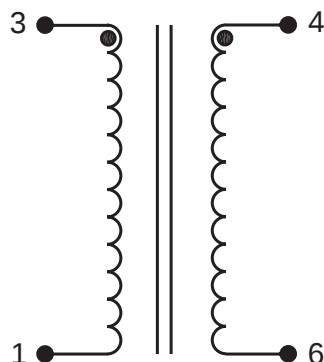
| Part Number  | Turns Ratio<br>±2% | Inductance <sup>1</sup><br>μH min | Leakage Inductance <sup>2</sup><br>μH max | DCR<br>Ω max |         | Insertion Loss<br>dB max |                  | Return Loss<br>dB min |                 |
|--------------|--------------------|-----------------------------------|-------------------------------------------|--------------|---------|--------------------------|------------------|-----------------------|-----------------|
|              | Chip : Line        | Line Side                         | Line Side                                 | (6 - 4)      | (1 - 3) | 200 kHz - 400 kHz        | 400 kHz - 30 MHz | 300 kHz - 20 MHz      | 20 MHz - 30 MHz |
| S560-6600-Y7 | 1 : 1              | 400                               | 3                                         | 0.4          | 0.6     | 0.75                     | 0.5              | 20                    | 18              |

1. Inductance measured at 100 kHz, 0.1 Vac

2. Leakage inductance measured at 1 MHz, 20mV

## SCHEMATIC

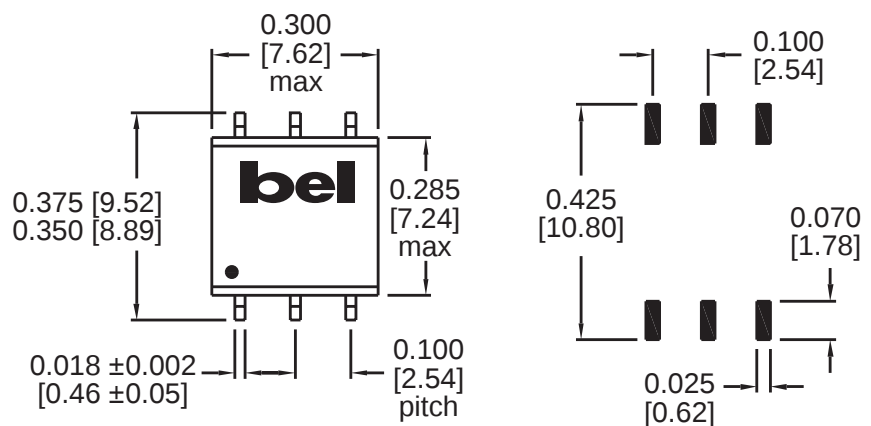
S560-6600-Y7



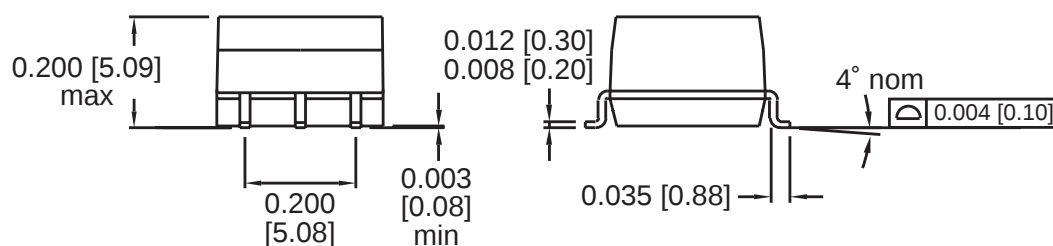
TM01357

### MECHANICAL

S560-6600-Y7



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

16 mm wide by 12 mm pitch; 13 inch OD, 4 inch ID  
500 components per reel, maximum  
Meets ANSI/EIA 481-2 Carrier Tape Standards

©2001 Bel Fuse Inc. Specifications subject to change without notice. 08.01

### 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