

## SURFACE MOUNT T1 CARRIER INTERFACE TRANSFORMERS T1/CEPT Telecom Line Interface Applications

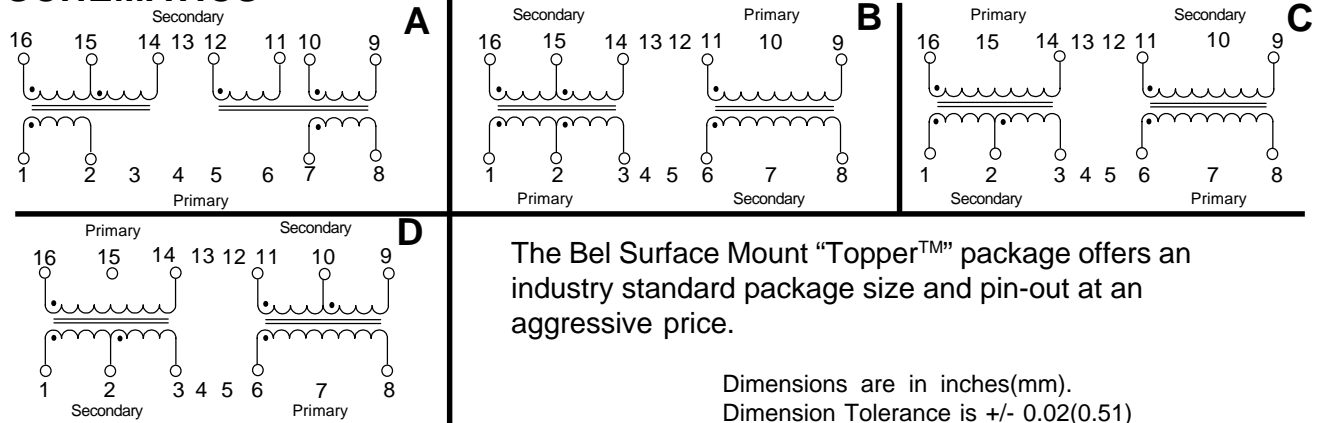
TM0007

Bel offers a new cost effective package on our standard T1/CEPT Telecom Interface Line Transformers. This sixteen lead, surface mount package, provides a superior, cost effective, quality product.

### ELECTRICALS @ 25°C

Part Number	Turns Ratio T1/T2	Leakage Inductance $L_L$ ( $\mu$ H) Max	DCR (ohms) Max	Schematic
S553-0013-00	1:1.385CT/1:1:1	0.80/0.50	0.80	A
S553-0013-01	1CT:2CT/1:1	0.80/0.50	1.80/0.80	B
S553-0013-02	1:2CT/1:1.36	0.80/0.80	1.80/0.80	C
S553-0013-03	1:2CT/1:2CT	0.80/0.80	0.80/1.80	D
S553-0013-06	1:1.15CT/1:2CT	0.50/0.80	0.80/1.80	D
S553-0013-07	1:1:1.266/1:2CT	0.80/0.80	0.80/1.80	D

### SCHEMATICS

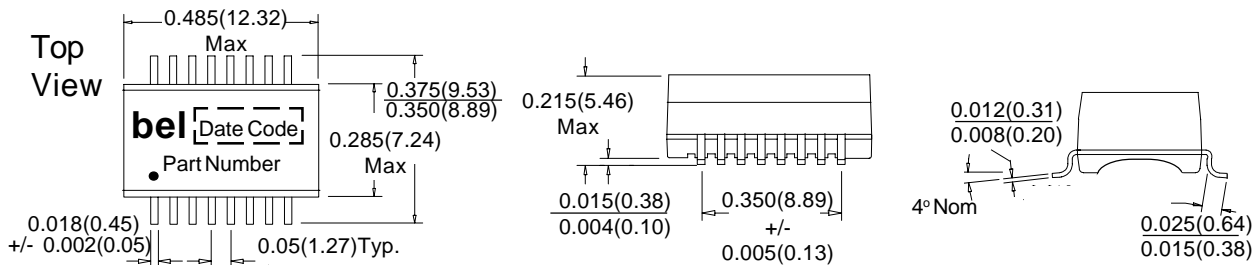


The Bel Surface Mount "Topper™" package offers an industry standard package size and pin-out at an aggressive price.

Dimensions are in inches(mm).  
Dimension Tolerance is +/- 0.02(0.51)  
unless otherwise specified.

### MECHANICALS

Package Style SMT



#### Corporate Office

**Bel Fuse Inc.**  
198 Van Vorst Street, Jersey City, NJ 07302-4496  
Tel: 201-432-0463  
Fax: 201-432-9542  
E-Mail: [BelFuse@belfuse.com](mailto:BelFuse@belfuse.com)  
Internet: <http://www.belfuse.com>

#### Far East Office

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

#### European Office

**Bel Fuse Europe Ltd.**  
Preston Technology Management Centre  
Marsh Lane, Preston PR1 8UD  
Lancashire, U.K.  
Tel: 44-1772-556601  
Fax: 44-1772-888366