

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

TM0008

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

- \* High Pot 2000 Vrms measured for one minute.
- \* Primary Inductance (OCL) is 1.20 Milihenries minimum.
- \* Primary DCR is 0.80 ohms maximum.

**ELECTRICALS @ 25° C**

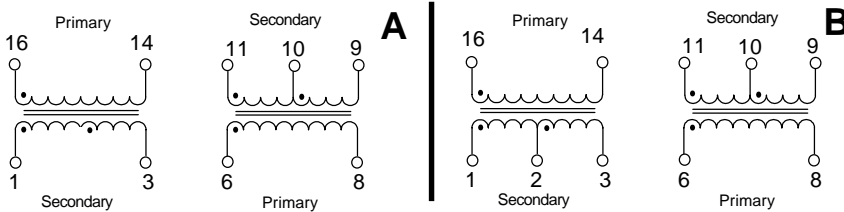
Part Number	Turns Ratio T1/T2	Leakage Inductance L <sub>L</sub> (μH) Max	DCR (ohms) Max	Coupling Capacitance (pF) Max	Schematic
S553-0013-04	1:1.7/1:2CT	0.50/0.80	0.80/1.80	35	A
S553-0013-05	1:1/1:1.25/1:2CT	0.50/0.50/0.80	0.80/1.10/1.80	50	B

\* Coupling Capacitance (C<sub>ww</sub>) is 35 PicoFarads maximum.

\* Custom designs available.

Turns ratio of S553-0013-05 ia (1-2):(16-14)/(1-3):(16-14)/(5-8):(9-11)

**SCHEMATICS**

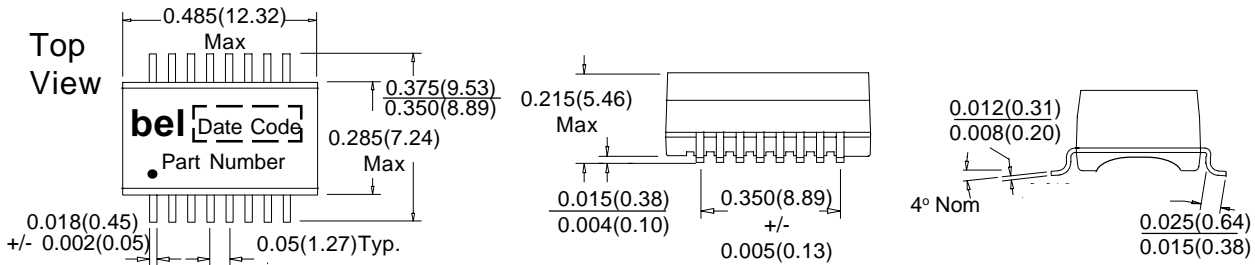


The Bel Surface Mount "Topper™" package offers an industry standard package size and pin-out at an aggressive price.

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

**MECHANICALS**

Package Style SMT



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