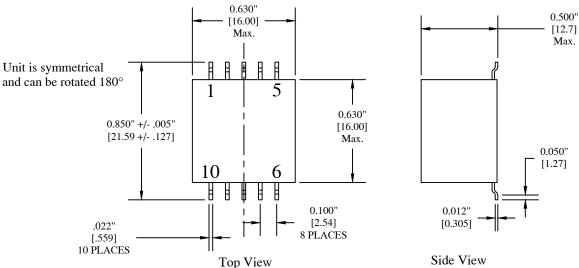
- VOICE/DATA COUPLING SURFACE MOUNT TRANSFORMERS. SUITABLE FOR MODEM SPEEDS UP TO AND INCLUDING V.32 (9.6Kbps) & V.32 bis (28.8Kbps/56Kbps).
- RATED FOR MAXIMUM WORKING VOLTAGE OF 250 VOLTS.
- HIPOT RATING IS 3750VRMS FOR 1 MINUTE MINIMUM.
- UTILIZES REINFORCED INSULATIONS.
- FLAMMABILITY BOBBIN AND CASE CONSTRUCTED WITH UL 94-VO RATED MATERIAL.
- DESIGNED FOR SAFETY CRITICAL COMPONENT SPECIFICATIONS.

- GULL-WING FORM .
- MINIMAL USE OF PC BOARD AREA (< 1.0' SQUARE).
- DRY (0DC) APPLICATIONS.
- 600Ω: 600Ω IMPEDANCE RATIO.
- SHIPPED IN JEDEC STYLE ANTI-STATIC, NON-SLOUGHING TRAYS DESIGNED TO MAINTAIN LEAD COPLANARITY.
- DESIGNED FOR AUTOMATED PICK AND PLACE ASSEMBLY EQUIPMENT.
- INSULATION RESISTANCE > 100MΩ@ 500v D.C.



Note: Resistive Load of 600 ohms

be used on all test parameters

was used to reflect 600 Ohms and to

## Electrical Parameters:

Primary Impedance: 600 Ohms Secondary Impedance: 600 Ohms Max. D.C. Unbalance: 0

Turns Ratio: 1:1 ± 2%

Dielectric Strength: 3750 Vrms P - S 1 Minute minimum

Insulation Resistance: 100 Meg ohms @ 500VDC

Frequency Response: ± 0.3dB 200 - 4000HZ (1KHZ Ref)

Return Loss: 18dB Min. @200 - 4KHZ Longitudinal Balance: 60dB min./IEEE

Primary DCR: 35.6 ± 10% Secondary DCR:  $35.6 \pm 10\%$ 

THD @ 0dBm 300HZ: -53dB Typical @ -10dBm 600HZ: -70dB Typical

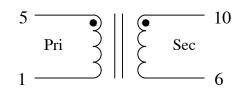
Insertion Loss: 0.8dB Reference @1KHZ

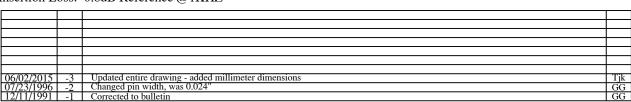
# Max. 0.050" [1.27]

Side View

TOLERANCES: All dimensions are for reference only unless otherwise specified. Pin numbers are for reference only

# **SCHEMATIC**





# DRAWING SPT-040-3

### Notes

ALL DIMENSIONS ARE INCHES [] = millimeters



3521 N. CHAPEL HILL RD. JOHNSBURG, IL 60051

PREM SPT-040 Mechanical - Electrical Data sheet SMT Design for BSI Modem

Approved: TJK Scale: None

Date: 09/27/1991