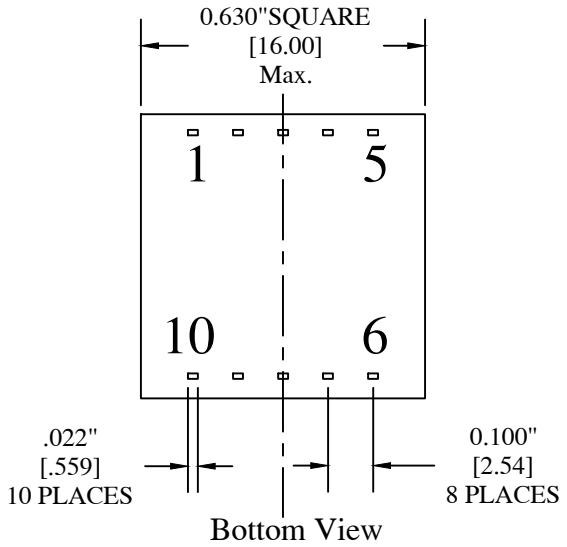
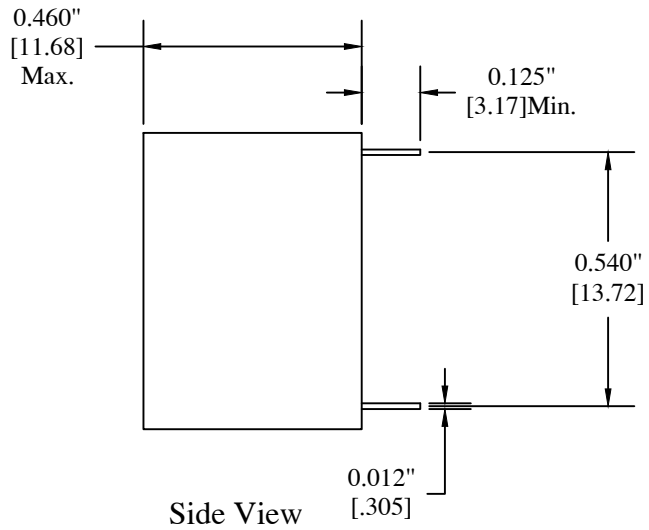
- VOICE/DATA COUPLING PC MOUNT TRANSFORMERS. SUITABLE FOR MODEM SPEEDS UP TO AND INCLUDING V.32 (9.6Kbps) & V.32 bis (28.8Kbps/56Kbps).
- RATED FOR MAXIMUM WORKING VOLTAGE OF 250 VOLTS.
- HIPOT RATING IS 3750VRMS FOR 1 MINUTE MINIMUM.
- UTILIZES REINFORCED INSULATIONS.
- FLAMMABILITY - BOBBIN AND CASE CONSTRUCTED WITH UL 94-VO RATED MATERIAL.
- DESIGNED FOR SAFETY CRITICAL COMPONENT SPECIFICATIONS.
- MINIMAL USE OF PC BOARD AREA (< 1.0" SQUARE) .
- DRY (0DC) APPLICATIONS.
- 600Ω : 600Ω IMPEDANCE RATIO.
- DESIGNED FOR AUTOMATED PICK AND PLACE ASSEMBLY EQUIPMENT.
- INSULATION RESISTANCE > 100MΩ @ 500v D.C.





Electrical Parameters:

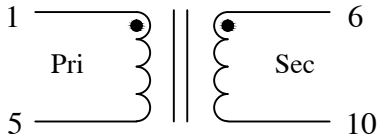
Primary Impedance: 600 Ohms
Secondary Impedance: 600 Ohms
Max. D.C. Unbalance: 0
Turns Ratio: 1:1 ± 2%
Dielectric Strength: 3750 Vrms P - S 1 Minute minimum
Insulation Resistance: 100 Meg ohms @ 500VDC
Frequency Response: ± 0.3dB 200 - 4000HZ (1KHZ Ref)
Return Loss: 18dB Min. @200 - 4KHZ
Longitudinal Balance: 60dB min./IEEE
Primary DCR: 35.6 ± 10%
Secondary DCR: 35.6 ± 10%
THD @ 0dBm 300HZ: -53dB Typical
@ -10dBm 600HZ: -70dB Typical
Insertion Loss: 0.8dB Reference @1KHZ

Note: Resistive Load of 600 ohms was used to reflect 600 Ohms and to be used on all test parameters

Unit is symmetrical and can be rotated 180°

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

SCHEMATIC



12/11/2015	-1	Updated drawing	Tjk

DRAWING
SPT-041-1

Notes

ALL DIMENSIONS ARE INCHES
[ ] = millimeters

PREM
MAGNETICS INCORPORATED
3521 N. CHAPEL HILL RD.
JOHNSBURG, IL 60051

PREM SPT-041
Mechanical - Electrical
Data sheet

Approved: TJK
Scale: None
Date: 10/14/1998