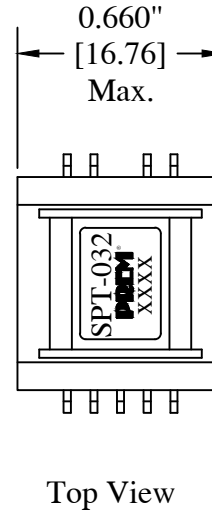
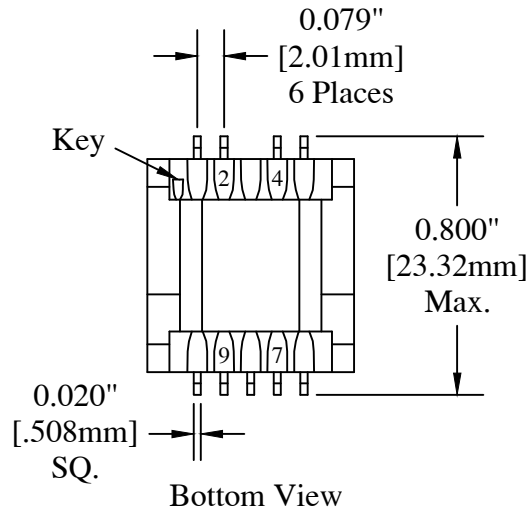
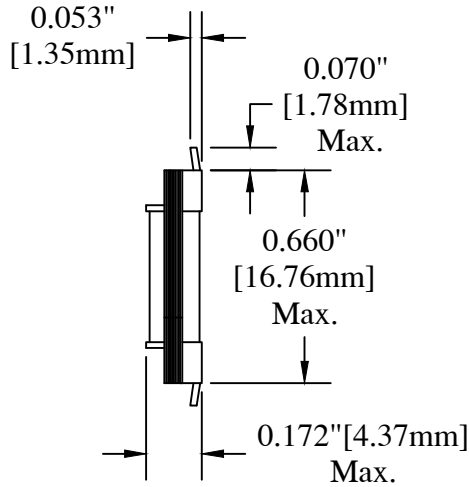


- EXTREMELY LOW HEIGHT (0.053" ABOVE BOARD) VOICE/DATA/PCM/CIA COUPLING SURFACE MOUNT TRANSFORMERS.
- SUITABLE FOR MODEM SPEEDS UP TO AND INCLUDING V.34 (28.8Kbps/56Kbps).
- RATED FOR MAXIMUM WORKING VOLTAGE OF 250 VOLTS.
- HIPOT RATING IS 1500VRMS FOR 1 MINUTE MINIMUM.
- UTILIZES SUPPLEMENTARY INSULATIONS.

- INVERTED GULL-WING FORM SO IT CAN BE PLACED WITHIN A SQUARE HOLE IN THE PRINTED CIRCUIT BOARD FOR FURTHER HEIGHT SAVINGS.
- MINIMAL USE OF PC BOARD AREA (< 1.0" SQUARE).
- DRY (ODC) APPLICATIONS.
- 600Ω : 600Ω COUPLING.
- SHIPPED IN JEDEC STYLE ANTI-STATIC, NON-SLOUGHING
- TRAYS DESIGNED TO MAINTAIN LEAD COPLANARITY.
- DESIGNED FOR AUTOMATED PICK AND PLACE ASSEMBLY EQUIPMENT.



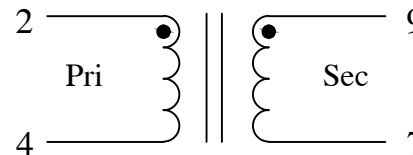
Electrical Parameters:

Primary Impedance: 600 Ohms  
 Secondary Impedance: 600 Ohms  
 Max. D.C. Unbalance: 0  
 Turns Ratio: 1:1 ± 2%  
 Dielectric Strength: 1500 Vrms P - S - C  
 1 Minute minimum  
 Frequency Response: ± 0.2dB 200 - 4000HZ  
 Return Loss: 25dB Min. @300HZ  
 Longitudinal Balance: 60dB min./IEEE  
 Primary DCR: 155.0 ± 10%  
 Secondary DCR: 159.0 ± 10%  
 THD @ 0dBm 300HZ: -60dB Typical  
 @ -10dBm 600HZ: -82dB Max.  
 Insertion Loss: 3.3dB Reference @1KHZ

Note: Resistive Load of 294 ohms was used to reflect 600 Ohms and to be used on all test parameters

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

SCHEMATIC



DRAWING  
SPT-032

Notes

ALL DIMENSIONS ARE INCHES  
[ ] = millimeters

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

PREM SPT-032  
Mechanical - Electrical  
Data sheet  
PCM/CIA SMD V.34  
TFMR

Approved: TJK  
Scale: None  
Date: 05/28/2015

|    |            |                                   |     |
|----|------------|-----------------------------------|-----|
| -3 | 12/16/2015 | Updated entire drawing            | Tjk |
| -2 | 10/05/1998 | Changed return loss to 300HZ only | GG  |
| -1 | 07/18/1996 | Deleted pin angle, added mm dims  | TJK |