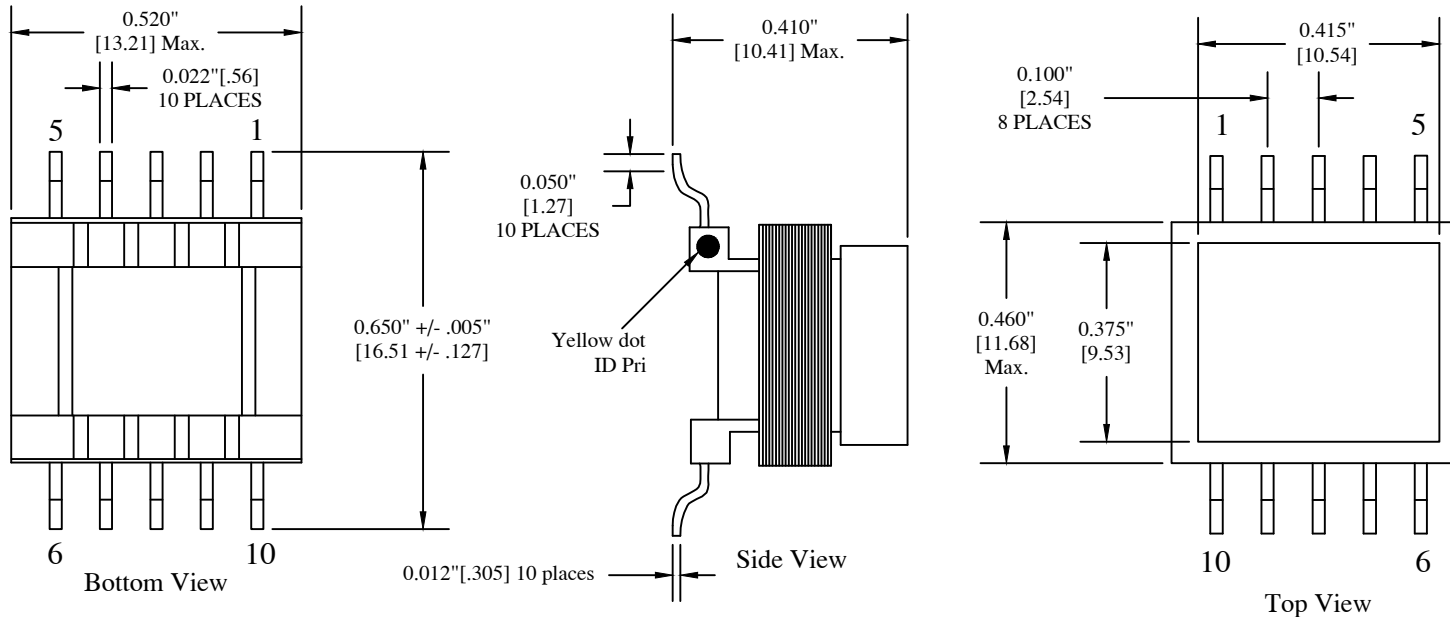


- VOICE/DATA COUPLING SURFACE MOUNT TRANSFORMERS (GULL-WING STYLE) SUITABLE FOR MODEM SPEEDS UP TO AND INCLUDING V.32 (9.6Kbps) & V.32 bis (28.8Kbps/56Kbps).
- FLAMMABILITY - BOBBIN AND CAP CONSTRUCTED WITH UL 94-VO RATED MATERIAL.

- MINIMAL USE OF PC BOARD AREA (< 1.0" SQUARE) AND LOW ABOVE BOARD HEIGHT (<0.525").
- DRY (ODC) APPLICATIONS.
- 600Ω : 600Ω IMPEDANCE RATIO.
- DESIGNED FOR AUTOMATED PICK AND PLACE ASSEMBLY EQUIPMENT.



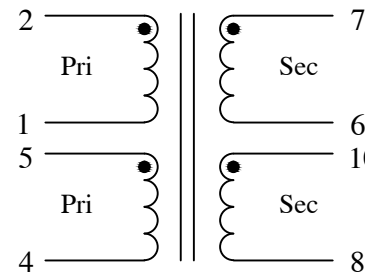
**Electrical Parameters:**

- 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 Second
- Frequency Response: ± 0.3dB 200 - 4000HZ (1KHZ Ref)
- Return Loss: 20dB Min. @300 - 4000HZ
- Longitudinal Balance: 60dB min./IEEE
- Primary DCR: 56.0 ± 10%
- Secondary DCR: 73.0 ± 10%
- THD @ 0dBm 300HZ: -58dB Typical
- @ -10dBm 600HZ: -74dB Typical
- Insertion Loss: 1.0dB Reference @1KHZ

Note: Resistive Load of 600 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. [ ] = millimeters Pin numbers are for reference only

**SCHEMATIC**



| Date       | Rev | Description   | By  |
|------------|-----|---|-----|
| 12/03/2015 | -4  | Updated entire drawing - correcting schematic, changing millimeters from ( ) to [ ] | Tjk |
| 06/03/2015 | -3  | Updated entire drawing and added millimeter dimensions                              | Tjk |
| 07/23/1996 | -2  | Changed bobbin pin width  | GG  |
| 01/16/1996 | -1  | Changed Return Loss Frequency low end, was 200HZ                                    | GG  |

DRAWING  
SPT-044

Notes

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

PREM SPT-044  
Mechanical - Electrical  
SMT Voice/Data  
Coupling

Approved: TJK

Scale: None

Date: 07/19/1993