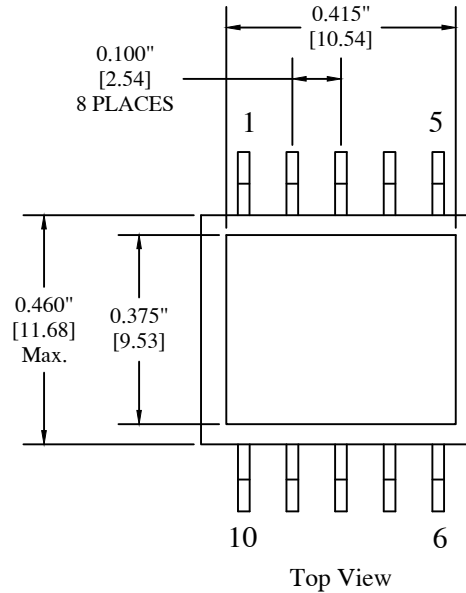
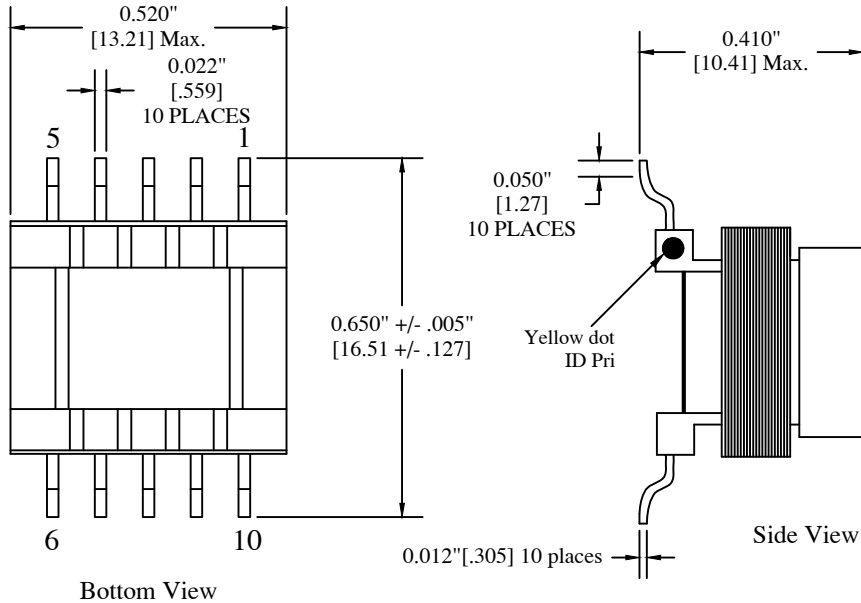


- VOICE/DATA COUPLING SURFACE MOUNT TRANSFORMERS (GULL-WING STYLE) SUITABLE FOR MODEM SPEEDS UP TO AND INCLUDING V.29 (9.6Kbps).
- FLAMMABILITY - BOBBIN AND CAP CONSTRUCTED WITH UL 94-VO RATED MATERIAL.
- PIN OUTS ARE SYMMETRICAL AND CAN BE ROTATED 180° WITHOUT CHANGING ELECTRICAL PERFORMANCE.

- MINIMAL USE OF PC BOARD AREA (< 1.0" SQUARE) AND LOW ABOVE BOARD HEIGHT (<0.525").
- DRY (0DC) APPLICATIONS.
- 600Ω : 600Ω IMPEDANCE RATIO.
- DESIGNED FOR AUTOMATED PICK AND PLACE ASSEMBLY EQUIPMENT.



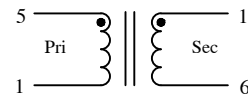
Electrical Parameters:

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: 19.5dB Min. @300 - 3500HZ  
 Longitudinal Balance: 60dB min./IEEE  
 Primary DCR: 50.4 - 62.0Ω  
 Secondary DCR: 65.7 - 80.3Ω  
 THD @ 0dBm 300HZ: -50dB Typical  
 @ -10dBm 600HZ: -64dB Typical  
 Insertion Loss: 1.2dB 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
12/21/2015	-6	Updated entire drawing	Tjk
10/27/1998	-5	Corrected pin width, was 0.02" - added millimeter dimensions	Tjk
10/27/1998	-4	Changed color of Primary ID dot, was white	mm
07/24/1996	-3	Changed bobbin pin width	GG
01/16/1996	-2	Add 200-4000HZ for Frequency Response	GG
01/16/1996	-1	Redrawn to add 0.050; delete 0.426", 0.098" dimensions	GG

DRAWING  
SPT-042-6

Notes

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

PREM SPT-042  
 Mechanical - Electrical  
 Data sheet

Approved: TJK  
 Scale: None  
 Date: 10/04/1995