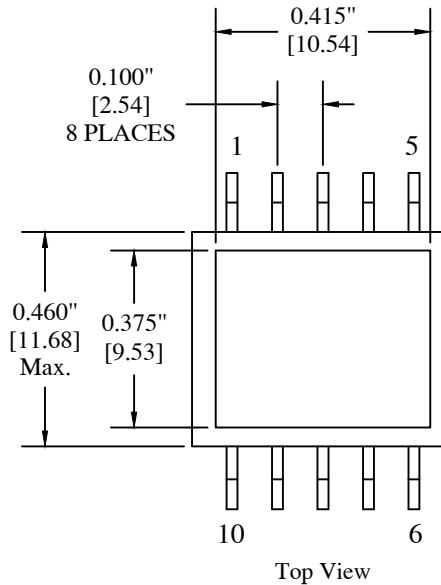
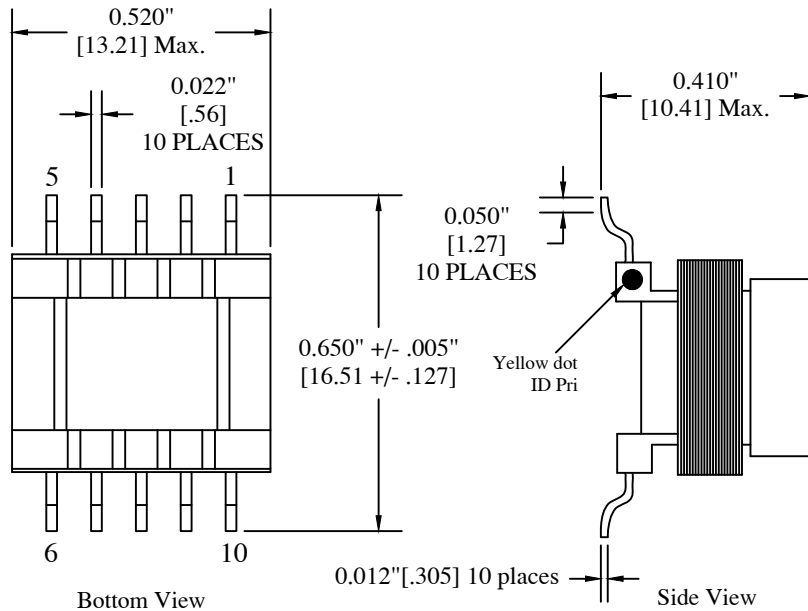


- VOICE/DATA COUPLING SURFACE MOUNT TRANSFORMERS (GULL-WING STYLE) SUITABLE FOR MODEM SPEEDS UP TO AND INCLUDING V.32 (9.6Kbps) & V.32 bis (28.8Kbps/56Kbps).
- FLAMMABILITY - BOBBIN AND CAP CONSTRUCTED WITH UL 94-VO RATED MATERIAL.
- PIN OUTS ARE SYMMETRICAL AND CAN BE ROTATED 180° WITHOUT CHANGING ELECTRICAL 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.



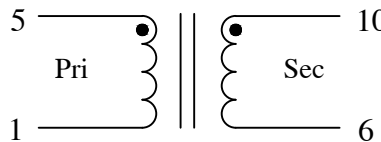
Electrical Parameters:

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 - 4000HZ
 Longitudinal Balance: 60dB min./IEEE
 Primary DCR: 50.4 - 62.0Ω
 Secondary DCR: 65.7 - 80.3Ω
 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
12/21/2015	-5	Updated entire drawing	Tjk
08/04/2015	-4	Updated entire drawing, added millimeter dimensions	Tjk
10/27/1998	-3	Changed color of Primary ID dot, was white	mm
07/23/1996	-2	Changed bobbin pin width was 0.02"	GG
01/16/1996	-1	Change Return loss Frequency, was 200HZ-3000HZ	GG

DRAWING
SPT-043-5

Notes

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

PREM SPT-043
 Mechanical - Electrical
 Data sheet

Approved: TJK
 Scale: None
 Date: 08/04/2015