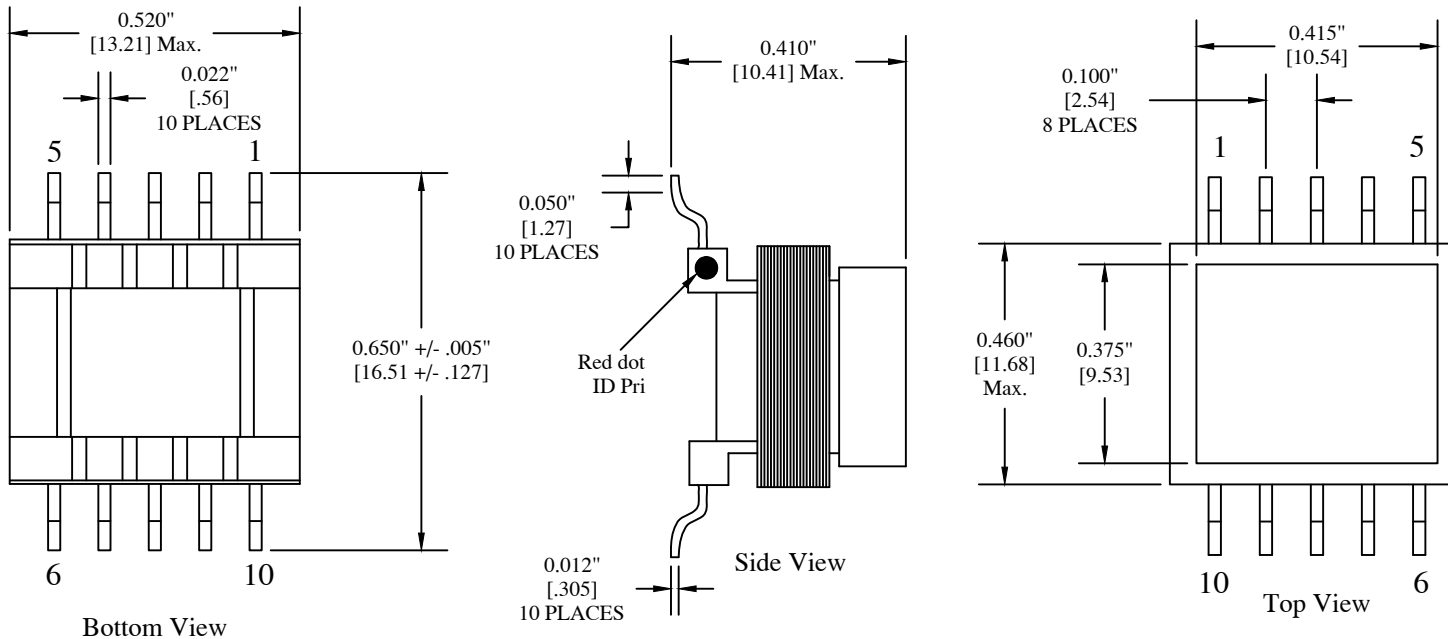


DRAWING  
SPT-046

Notes

- VOICE/DATA/PCMCIA MODEM APPLICATIONS FOR SPEEDS UP TO AND INCLUDING V.32 (9.6Kbps) & V.32 bis (28.8Kbps/56Kbps).
- RATED FOR MAXIMUM WORKING VOLTAGE OF 250 VOLTS.
- DESIGNED FOR DRY (NO DC) CIRCUITS.
- HIPOT RATING IS 1500 VRMS FOR 1 MINUTE MINIMUM.
- UTILIZES SUPPLEMENTARY INSULATIONS.
- GULL-WING LEAD STYLE AND SMALL PACKAGE DIMENSIONS.
- DESIGNED FOR AUTOMATED PICK AND PLACE ASSEMBLY EQUIPMENT.
- SHIPPED IN JEDEC STYLE ANTI-STATIC, NON-SLOUGHING TRAYS DESIGNED TO MAINTAIN LEAD COPLANARITY.
- IMPEDANCE RATIO OF 600Ω TO 600Ω.



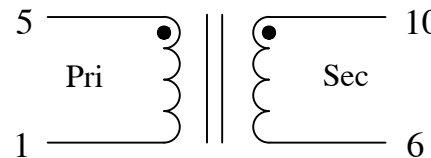
Electrical Parameters:

Primary Impedance: 600 Ohms  
 Secondary Impedance: 600 Ohms  
 Max. D.C. Unbalance: 0  
 Turns Ratio: 1:1 ± 2%  
 Dielectric Strength: 1500 Vrms, 1 minute minimum P-S-C  
 Frequency Response: ± 0.3dB 200 - 4000HZ (1KHZ Ref)  
 Return Loss: 18dB Min. @300 - 3500HZ  
 Longitudinal Balance: 60dB min./IEEE  
 Primary DCR: 92.5 ± 10%  
 Secondary DCR: 126.7 ± 10%  
 THD @ 0dBm 300HZ: -60dB Typical  
 @ -10dBm 600HZ: -76dB Typical  
 Insertion Loss: 2.0dB Reference @ 1KHZ

Note: Resistive Load of 400 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



12/21/2015	-4	Updated entire drawing - Corrected schematic	Tjk
06/08/2015	-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

**PREM**

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

PREM SPT-046  
 Mechanical - Electrical  
 SMT Voice/Data

Approved: TJK

Scale: None

Date: 10/04/1995