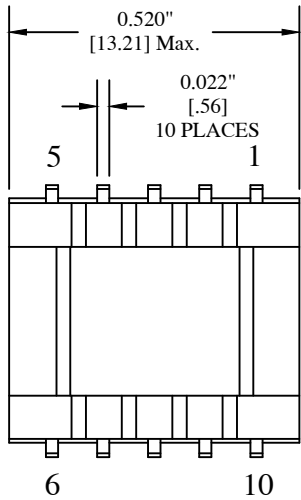
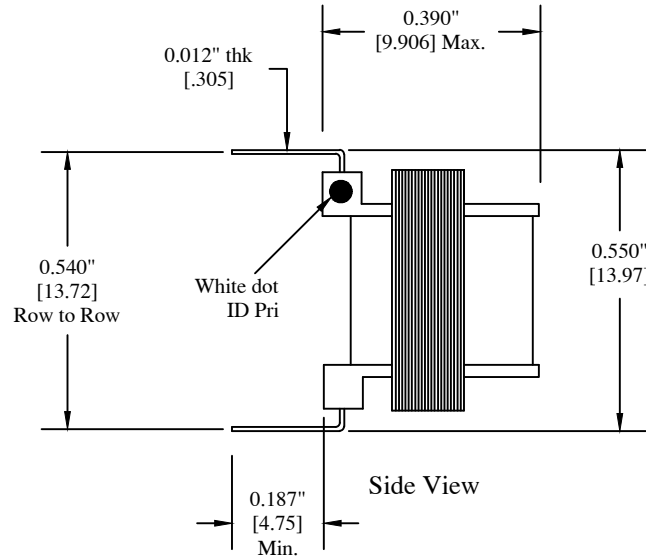


- VOICE/DATA/PCMCIA MODEM APPLICATIONS.
- RATED FOR MAXIMUM WORKING VOLTAGE OF 250 VOLTS.
- DESIGNED FOR DRY (NO DC) CIRCUITS.
- IMPEDANCE RATIOS OF 600 Ω TO 600 Ω.
- HIPOT RATING IS 1500 VRMS FOR 1 MINUTE MINIMUM.

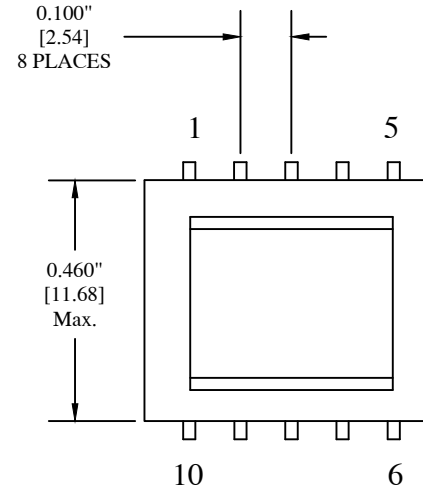
- UTILIZES SUPPLEMENTARY INSULATIONS.
- FOR V.34 MODEMS (28.8kbps/56kbps).
- SMALL PACKAGE DIMENSIONS - BOARD AREA (< 1.0" SQUARE) AND LOW ABOVE BOARD HEIGHT (<0.525").
- DESIGNED FOR AUTOMATED PICK AND PLACE ASSEMBLY EQUIPMENT.



Bottom View



Side View



Top View

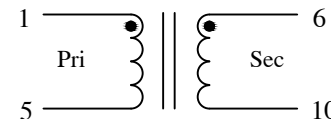
Electrical Parameters:

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: 15dB Min. @300 - 3500HZ  
 Longitudinal Balance: 60dB min./IEEE  
 Primary DCR: 128.6 ± 10%  
 Secondary DCR: 176.0 ± 10%  
 THD @ 0dBm 300HZ: -60dB Typical  
 @ -10dBm 600HZ: -82dB Typical  
 Insertion Loss: 3.15dB Reference @1KHZ

Note: Resistive Load of 310 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
01/15/2016	-8	Updated entire drawing; added millimeter dimensions	Tjk
07/23/1996	-7	Changed bobbin pin width	GG
06/05/1996	-6	Added reference pin numbers	GG/Tjk
06/03/1996	-5	Change Insertion loss, was 2.3dB	GG
05/24/1996	-4	Change DCR, Insertion loss and Load information	GG
04/08/1996	-3	Changed row to row dimension was 0.536"; changed 0.546" dimension	GG/Tjk
02/02/1996	-2	Added 0.546", 0.536" dimensions	GG/Tjk
01/23/1996	-1	Changed pin length was +/- 0.015"	GG/Tjk

DRAWING  
SPT-050

Notes

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

PREM SPT-050  
 Mechanical - Electrical  
 SMT Voice/Data

Approved: TJK

Scale: None

Date: 07/01/2015