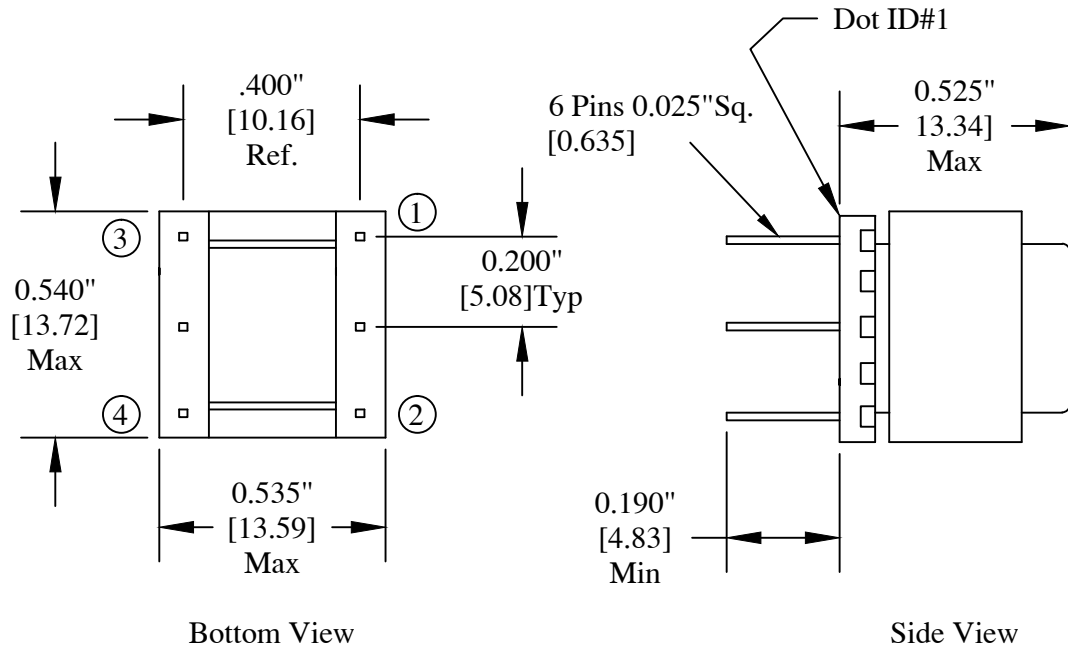
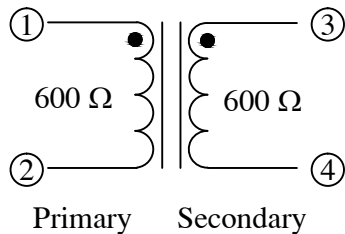


- VOICE & DATA APPLICATIONS.
- FOR V.29 MODEMS (9.6Kbps).
- DESIGNED FOR "DRY" (W/O DC CURRENT) CIRCUITS.
- IMPEDANCE RATIOS OF 600 Ω : 600 Ω .
- MINIMAL USE OF PC BOARD AREA (<1.0"/25.4mm SQUARE).
- LOW PROFILE (<0.525"/13.34mm)
- UL RECOGNIZED COMPONENT - UL 1863, FILE E138250.



Note : Pin Numbers are reference only. [ ] = mm

All dimensions are reference unless otherwise specified.



### REVISIONS

DATE	REV	DESCRIPTION	APPV'D
06/08/89	-1	Chg under reflected impedance 0mAdc not 80mAdc	T.JK.
06/14/91	-2	Chg Dielectric from 1000 to 1500Vac	G.G.
09/22/93	-3	Chg'd THD spec. was specified in % Distortion	T.JK.
08/11/03	-4	Chg'd .395±.015 Dim. for Row-Row	T.JK.
09/14/15	-5	Chg'd Primary and Secondary DCR was 49.0 & 65.0	T.JK.
04/07/16	-6	Updated entire drawing	T.JK.

### Electrical Parameters

Primary Impedance : 600 Ω  
 Secondary Impedance : 600 Ω  
 Turns Ratio : 1:1.0523 ±2%  
 DC Resistance :  
 Primary 1 - 2 : 53.83 Ω ±10%  
 Secondary 3 - 4 : 70.40 Ω ±10%  
 Max DC Current : 0 dc  
 Frequency Range : 300-3.5KHz  
 Insertion Loss : 1.25 dB @ 1KHz  
 Frequency Response : ±0.25dB, 1KHz Ref.  
 ERL : 25.0 dB Min  
 Return Loss : 21.0 dB Min. @ 300Hz  
 Longitudinal Balance : 60dB Min, per IEEE 455  
 Dielectric 1500Vrms : P-S-C instant  
 THD @ 0dbm, 300Hz : -59dB typical  
 Note : Reflected Z = 610 Ω Typ. @ 1KHz, 0mA d.c./Primary & 600 Ω RL/Sec.

**PREM**<sup>®</sup>  
MAGNETICS INCORPORATED

CUSTOM ENGINEERING MAGNETIC COMPONENTS  
Johnsburg, Illinois  
3521 N. Chapel Hill Rd. / Johnsburg, Illinois 60051

SCALE: None

APPROVED BY:

DRAWN BY Tjk

DATE: 11-07-01

*Tj Klotz*

REVISED

600 Ω Transformer p/n SPT - 2106

DRAWING NUMBER  
B-SPT-2106 -6