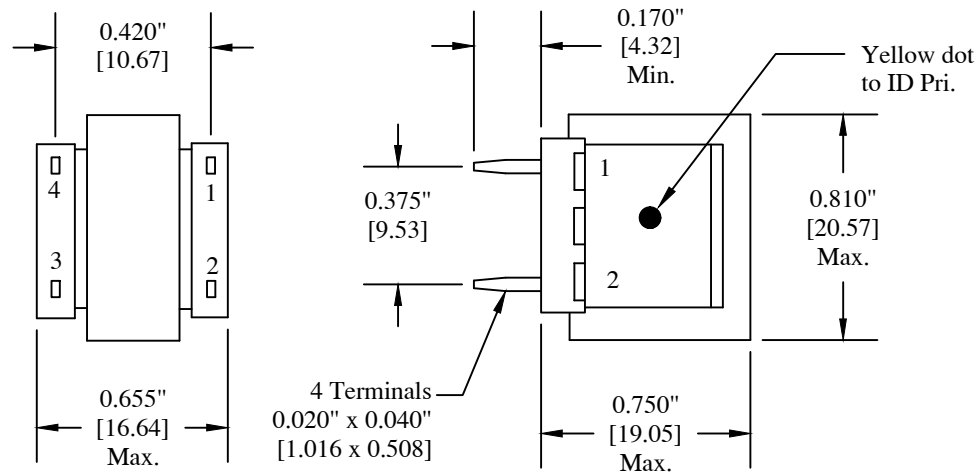
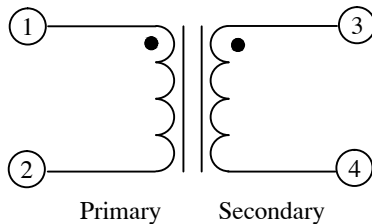


- VOICE & DATA APPLICATIONS.
- FOR V.29 MODEMS (9.6Kbps).
- DESIGNED FOR DRY (NO DC) CIRCUITS.
- IMPEDANCE RATIOS OF 600 Ω : 600 Ω .
- MINIMAL USE OF PC BOARD AREA (<1.0"/25.4mm SQUARE).
- UL RECOGNIZED COMPONENT - UL 1863, FILE E138250.



All dimensions are reference unless otherwise specified.
[] = millimeters



REVISIONS			
DATE	REV	DESCRIPTION	APPV'D
9-21-93	-1	Chg'd THD Spec. was specified in % distortion	TJK
06-02-97	-2	Changed to .170" Min was .190" Ref.	M.M.
04-07-16	-3	Updated entire drawing	Tjk

Electrical Parameters

Primary Impedance: 600 Ohms
 Secondary Impedance: 600 Ohms
 Max DC Unbalance: 0
 Turns Ratio: 1:1.037 ±2%
 Dielectric Strength: 1500Vrms P-S-C, 1 second
 Frequency Response: ±0.5dB 300 -3.5KHz (1KHz Ref.)
 Return Loss: 23.0dB Min. @ 300Hz
 Echo Return Loss: 26.0dB Min.
 Insertion Loss : (Ref. @ 1KHz) 0.9 dB
 Primary D.C.R. : 36.0 Ω ±10%
 Secondary D.C.R. : 50.0 Ω ±10%
 THD: 0dBm @ 300Hz Input, -59dB Typ.
 Longitudinal Balance: 60 dB min. Per IEEE
 Use 600 Ω Load for Transmission Tests

Note: Reflected Z = 610 Ohms typical @1KHz, 0 mA
 DC/Primary & 600 Ohm RL/Secondary

PREM[®]
MAGNETICS INCORPORATED

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

SCALE: None

APPROVED BY:

DRAWN BY Tjk

DATE: 04-07-2016

Tj Klotz

REVISED

Mechanical / Electrical Drawing for Part SPT-2104

(Voice/Data Transformer)

DRAWING NUMBER
C SPT-2104-3