

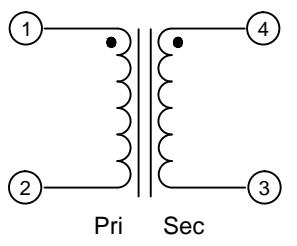
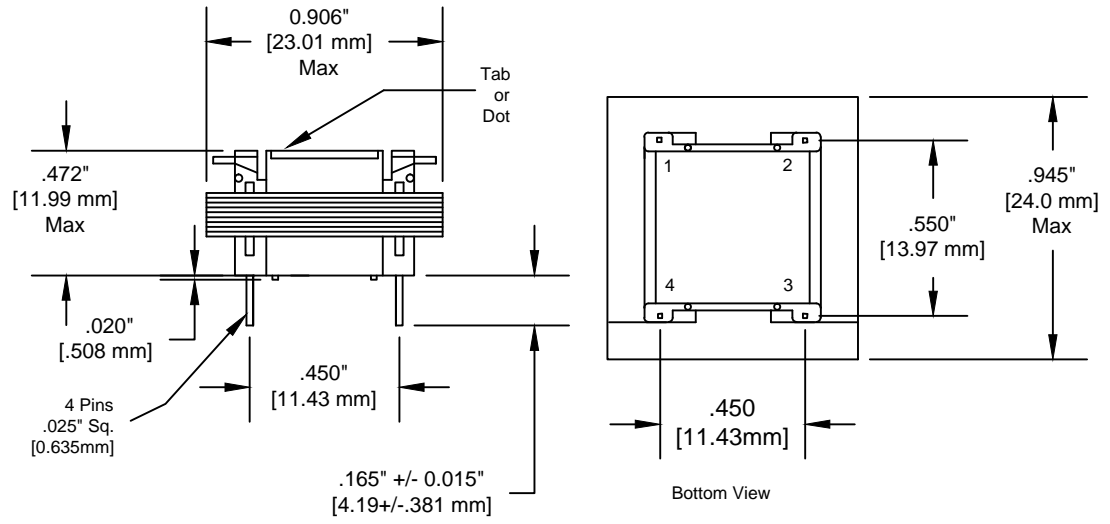
REVISIONS			
DATE	REV	DESCRIPTION	APPV'D
8-12-93	-1	CHG THD Freq. + use dB fig.	G.G.
8-26-89	-2	Added "or dot" to bottom view	TJK
9-29-93	-3	Chg THD freq.	TJK
2-14-96	-4	Added reference to pin out gauge	TJK
4-2-96	-5	Deleted hole size from pin-out gauge layout	TJK
4-12-96	-6	Added notation - Ref terminations	G.G.
12-16-2015	-7	updated entire drawing	Tjk

- SUB-MINIATURE DATA COUPLING TRANSFORMERS.
- MINIMAL USE OF PC BOARD AREA < 1.0" [25.4] SQUARE AND VERY LOW ABOVE-BOARD HEIGHT < 0.525" [13.34].
- V.29 (9.6Kbps) MODEM TRANSFORMER.
- 100mA DC CURRENT MAXIMUM.

Electrical Parameters

Turns Ratio: 1:1 +/-2%
 Primary D.C.R. : 108.0 Ω +/-10%
 Secondary D.C.R. : 120.0 Ω +/-10%
 (1)Reflected Impedance:
 300HZ - 600 Ohms +/-45%
 1KHZ - 600 Ohms +/-10%
 3.5KHZ - 600 Ohms +/-15%
 (1)Frequency Response (1KHz Ref.):
 +/-0.65dB 600 -3500Hz
 +/-2.5dB 300 -600Hz
 (1)Insertion Loss @1KHz 2.0dB +/- 0.5dB
 Dielectric Strength: 1500Vrms P-S-C 1 Minute Min.
 (2)Longitudinal Balance: Per FCC Part 68.310
 (1)Return Loss: 16.0dB Min. 1800Hz
 (1)Echo Return Loss: 13.0dB Min.
 (1)THD: @1000Hz: -58dB Typ.

(1) 470 ohm termination with 100mA DC on Primary
 (2) 600 ohm termination with 100mA DC on Primary



All dimensions are reference unless otherwise specified.

PREM MAGNETICS INCORPORATED		CUSTOM ENGINEERING MAGNETIC COMPONENTS Johnsburg, Illinois 3521 N. Chapel Hill Rd. / Johnsburg, Illinois 60051	
SCALE: None	APPROVED BY: <i>Gary Garcia</i>		DRAWN BY G.G.
DATE: 7-09-91			REVISED
Mechanical / Electrical Drawing for Part SPT-021			
(Data Transformer)			DRAWING NUMBER B 021-7