

REVISIONS

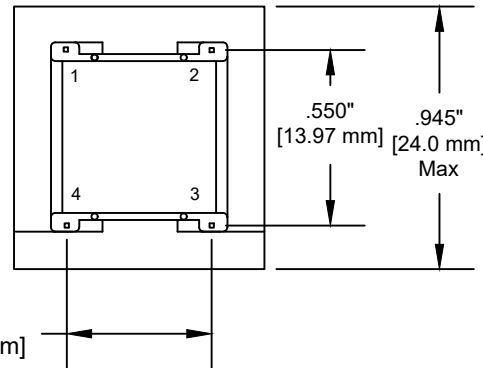
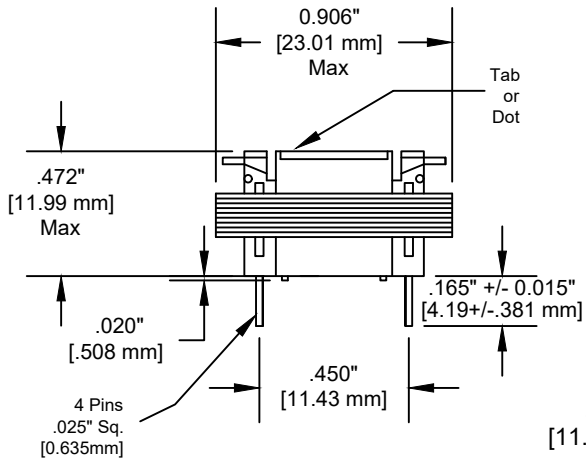
DATE	REV	DESCRIPTION	APPV'D
9-26-88	-1	Corrected details & open up Z @300Hz	G.G.
1-23-89	-2	Add 3 more test parameters	G.G.
8-12-93	-3	Chg THD freq. & used dB figure	G.G.
8-26-93	-4	Added "or dot" to bottom view	TJK
9-29-93	-5	Chg THD Freq.	TJK
2-14-96	-6	Added reference to pin out gauge	G.G.
4-2-96	-7	Deleted hole size from pin-out gauge layout	TJK
4-12-96	-8	Added notation - Ref terminations	G.G.
12-16-2015	-9	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.

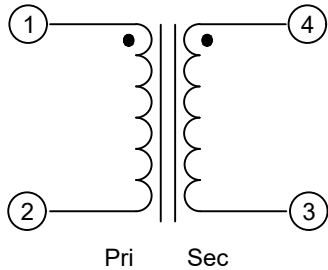
Electrical Parameters

Turns Ratio: 1:1 +/-2%
 Primary D.C.R. : 108.0 Ω +/-10%
 Secondary D.C.R. : 120.0 Ω +/-10%
 Reflected Impedance:
 300HZ - 600 Ohms +/-45%
 1KHZ - 600 Ohms +/-10%
 3.5KHZ - 600 Ohms +/-15%
 Frequency Response (1KHz Ref.):
 +/-1.00dB 600 -3500Hz
 +/-2.5dB 300 -600Hz
 (3)Insertion Loss @1KHz 2.5dB Max.
 Dielectric Strength: 1500Vrms P-S-C 1 Minute Min.
 (2)Longitudinal Balance: Per FCC Part 68.310
 (1)Return Loss: 15.0dB Min. 1800Hz
 (1)Echo Return Loss: 12.0dB Min.
 (1)THD: @1000Hz: -58dB Typ.

(1) 470 ohm termination with 100mA DC on Primary
 (2) 600 ohm termination with 100mA DC on Primary
 (3) 600 ohm termination with 30mA DC on Primary



Bottom View



All dimensions are reference unless otherwise specified.



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

SCALE: None

APPROVED BY:

DRAWN BY Tjk

DATE: 8-01-88

Tj Klotz

REVISED

Mechanical / Electrical Drawing for Part SPT-020

(Data Transformer)

DRAWING NUMBER
 B 020-9