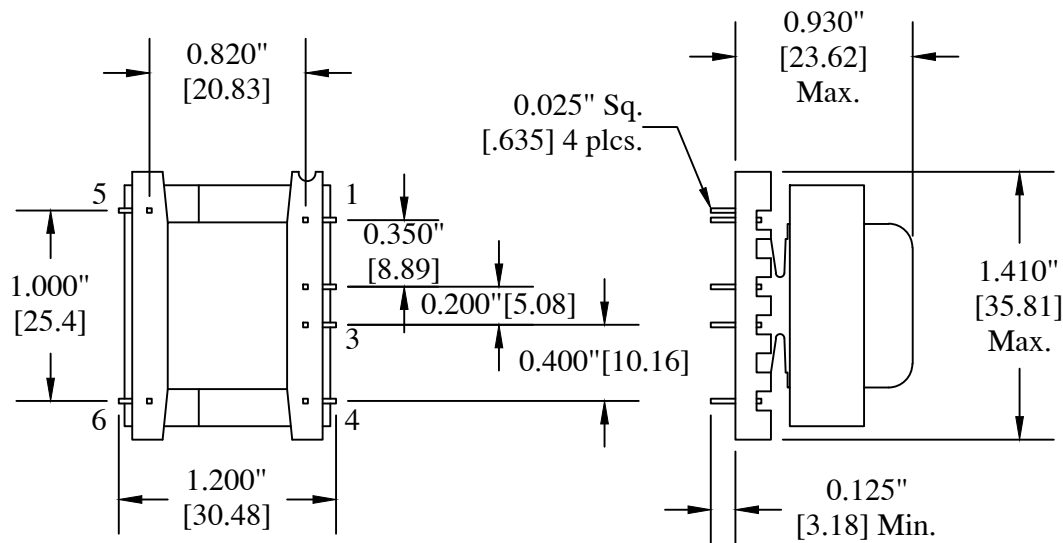


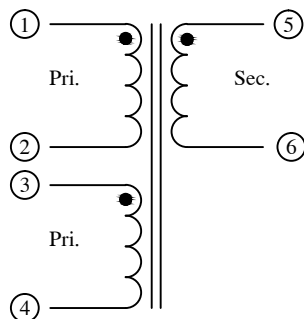
- VOICE & DATA APPLICATIONS.
- DESIGNED FOR WET (80mA DC) CIRCUITS.
- IMPEDANCE RATIO OF 600 Ω : 600 Ω
- UL RECOGNIZED COMPONENT - UL 1863, FILE E138250



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

All dimensions are
reference
unless otherwise specified.

Schematic



REVISIONS

DATE	REV	DESCRIPTION	APPV'D
06/25/1985	-1	Update	MM
10/04/1993	-2	Changed Thd spec, was in % distortion	Tjk
02/02/2016	-3	Update; Added millimeters	Tjk

Electrical Parameters:

Primary Impedance : 600 Ω
 Secondary Impedance : 600 Ω
 Turns Ratio : 1 : 1.125 ±2%
 DC Resistance :
 Primary 76 Ω ±10%
 Secondary 86 Ω ±10%
 Max DC Current : 80 mAdc
 Frequency Range : 300-3500Hz
 Insertion Loss : 1.25B Ref. @ 1KHz
 Frequency Response : ±0.5dB, 1KHz Ref.
 Return Loss : 16 dB Min. @ 300Hz
 Longitudinal Balance : 60dB Min. per IEEE
 Dielectric 1500Vrms : P-S-C, 1 Second
 THD @ 0dbm, 300Hz : -59dB typical
 600 Ohm load for transmission tests

Note : Reflected Z = 610 Ref. (Ohms)
 @ 1KHZ, 80mA D.C./Primary & 600 Ohm RL/Secondary

Note: ERL optimized value 31dB Ref. Secondary loaded with 570 ohms and 0.02μF capacitor, 80mADC on Primary

		CUSTOM ENGINEERING MAGNETIC COMPONENTS Johnsburg, Illinois 3521 N. Chapel Hill Rd. / McHenry, Illinois 60051	
		SCALE: None	APPROVED BY: <i>Tj Klotz</i>
DATE: 02-02-16			REVISED
p/n SPT - 117			
			DRAWING NUMBER B-SPT-117-3