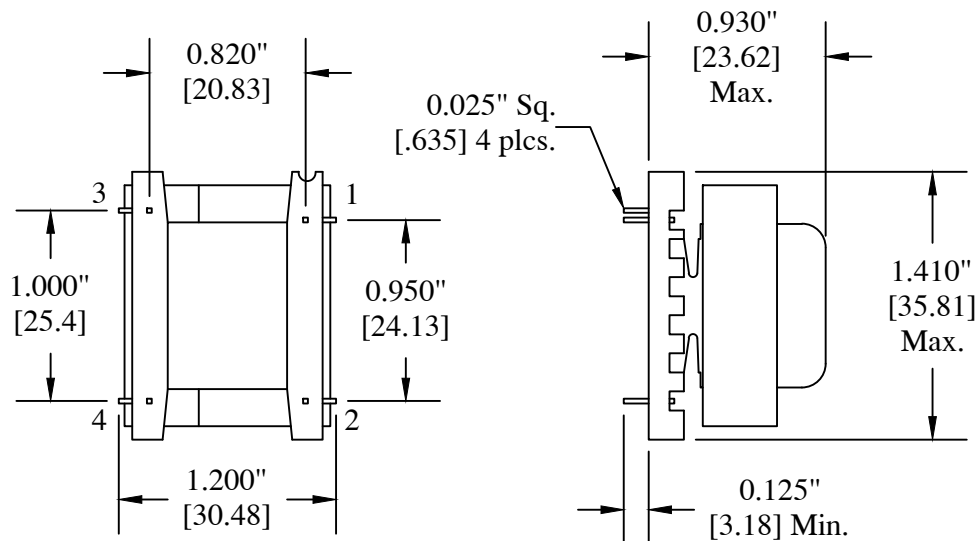


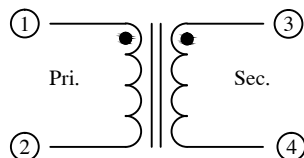
- VOICE & DATA APPLICATIONS.
- DESIGNED FOR WET (80mA DC) CIRCUITS.
- IMPEDANCE RATIO OF 900 Ω : 600 Ω
- UL RECOGNIZED COMPONENT - UL 1863, FILE E138250



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 : 900 Ω  
 Secondary Impedance : 600 Ω  
 Turns Ratio : 1 : 0.8163 ±2%  
 DC Resistance :  
 Primary 82.8 Ω ±10%  
 Secondary 85.4 Ω ±10%  
 Max DC Current : 80 mAdc  
 Frequency Range : 300-3500Hz  
 Insertion Loss : 1.50B Ref. @ 1KHz  
 Frequency Response : ±0.5dB, 1KHz Ref.  
 Return Loss : 9.5 dB Min. @ 300Hz  
 Longitudinal Balance : 60dB Min, per IEEE  
 Dielectric 1500Vrms : P-S-C, 1 Second  
 THD @ 0dbm, 300Hz : -53dB typical  
 600 Ohm load for transmission tests

Note : Reflected Z = 1080 Ref. (Ohms)  
 @ 1KHZ, 80mA D.C./Primary & 600 Ohm RL/Secondary

Note: ERL optimized value 26dB Ref. Secondary loaded with 480 ohms and 0.062 or 0.07μF capacitor, 80mADC on Primary

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

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

SCALE: None

APPROVED BY:

DRAWN BY TJK

DATE: 02-02-16

*Tj Klotz*

REVISED

p/n SPT - 118

DRAWING NUMBER  
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