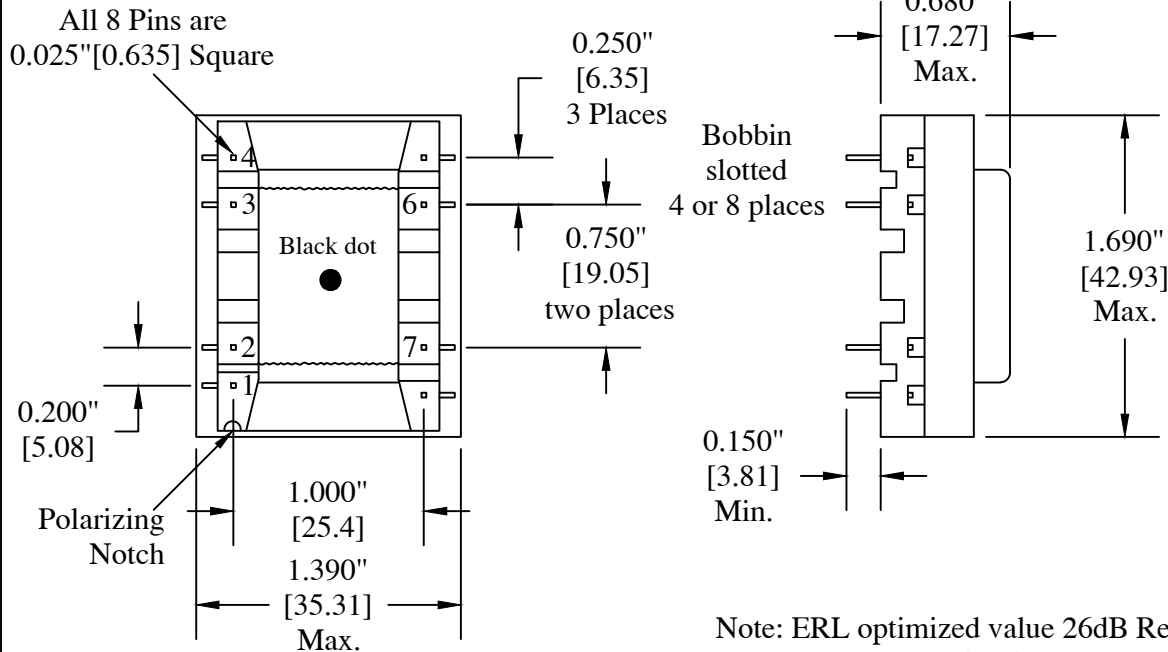


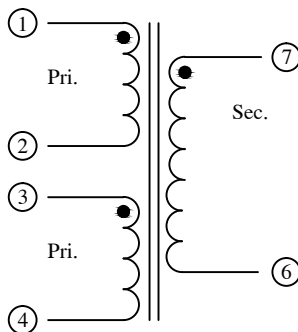
- VOICE & DATA APPLICATIONS.
- FOR V.29 MODEMS (9.6Kbps)
- DESIGNED FOR WET (80mA DC) CIRCUITS.
- IMPEDANCE RATIOS OF 600 Ω : 600 Ω
- ALTERNATE ECONOMY PART SPT-191.
- UL RECOGNIZED COMPONENT - UL 1863, FILE E138250

All dimensions are reference unless otherwise specified.



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

Schematic



Note: ERL optimized value 26dB Ref. Secondary loaded with 600 ohms and 0.04μF capacitor, 80mADC on Primary

REVISIONS

DATE	REV	DESCRIPTION	APPV'D
05/16/85	-1	Updated	WDE
05/17/1985	-2	Changed max width and length	TJK
09/13/1993	-3	Changed THD spec was specified in %	TJK
08/06/2015	-4	Update; added millimeters	TJK

Electrical Parameters:

Primary Impedance : 600 Ω  
 Secondary Impedance : 600 Ω  
 Turns Ratio : 1:1.127 ±2%  
 DC Resistance :  
 Primary (Total) 67 Ω ±10%  
 Secondary 75.5 Ω ±10%  
 Max DC Current : 80 mAdc  
 Frequency Range : 300-3500Hz  
 Insertion Loss : 1.15B Max @ 1KHz  
 Frequency Response : ±0.5dB, 1KHz Ref.  
 Return Loss : 14.5 dB Min. @ 300Hz  
 Longitudinal Balance : 60dB Min, per IEEE  
 Dielectric 1500Vrms : P-S-C 1 Second  
 THD @ 0dbm, 300Hz : -65dB typical  
 600 Ohm load for transmission tests

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

**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: 08-06-15

*Tj Klotz*

REVISED

p/n SPT - 110

DRAWING NUMBER  
B-SPT-110-4