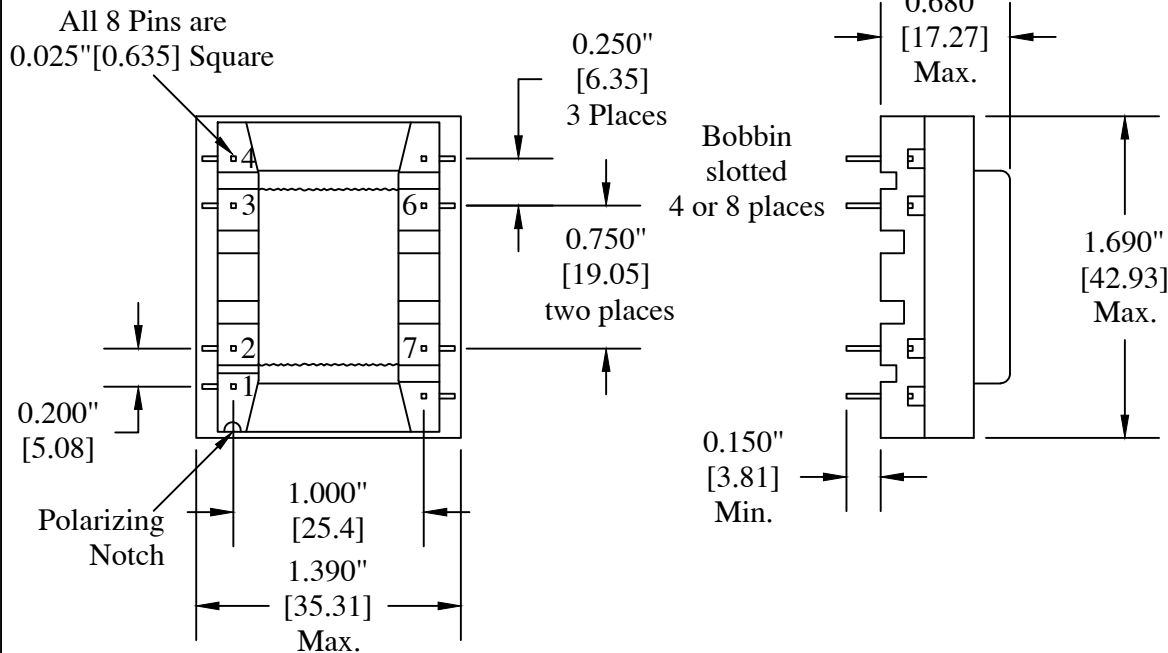


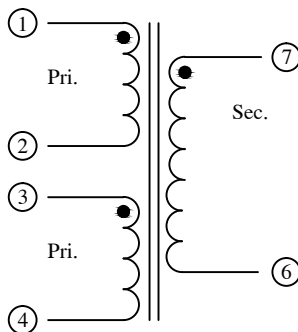
- VOICE & DATA APPLICATIONS.
- DESIGNED FOR WET (80mA DC) CIRCUITS.
- IMPEDANCE RATIOS OF 600 Ω : 600 Ω
- ALTERNATE HIGHER PERFORMANCE PART SPT-110.
- UL RECOGNIZED COMPONENT - UL 1863, FILE E138250

All dimensions are reference unless otherwise specified.



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

Schematic



REVISIONS

DATE	REV	DESCRIPTION	APP'V'D
05/16/85	-1	Updated	WDE
05/17/1985	-2	Changed max width (1.350) and length (1.650)	TJK
09/13/1993	-3	Changed THD spec was specified in %	TJK
03/28/2016	-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 : 1.30B Ref. @ 1KHz  
 Frequency Response : ±0.5dB, 1KHz Ref.  
 Return Loss : 12.5 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 = 580 Ref. (Ohms)  
 @ 1KHZ, 80mA D.C./Primary & 600 Ohm  
 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: 08-17-2015

*Tj Klotz*

REVISED

p/n SPT - 191

DRAWING NUMBER  
 A-SPT-191-4