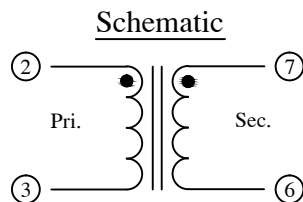
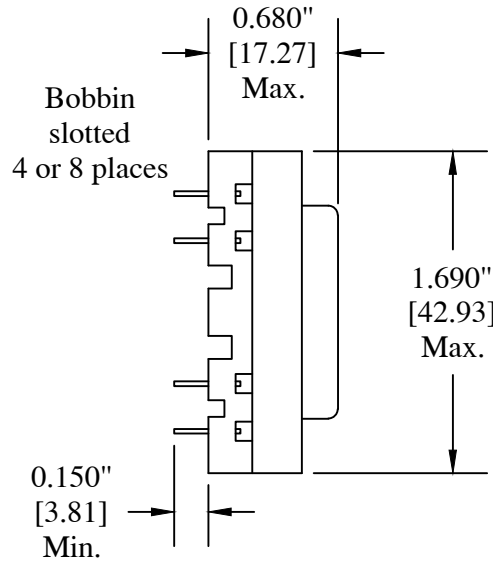
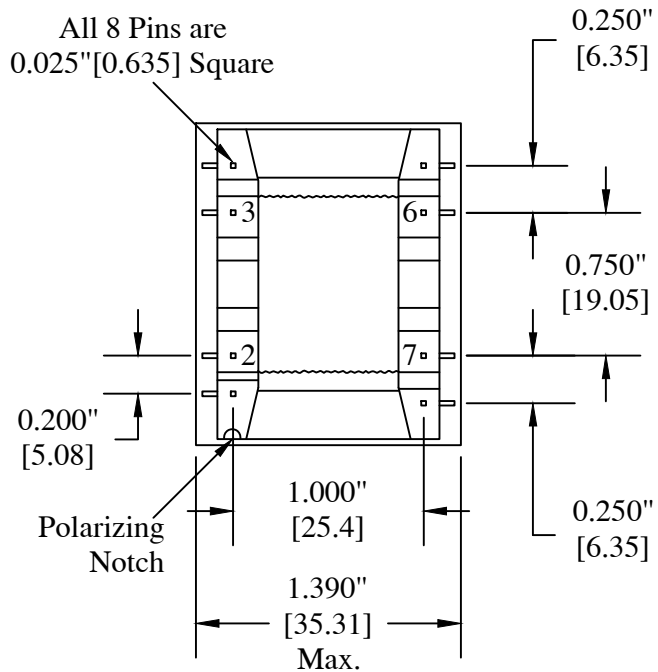


- VOICE & DATA APPLICATIONS.
- DESIGNED FOR WET (80mA DC) CIRCUITS.
- IMPEDANCE RATIOS OF  $600 \Omega : 600 \Omega$ .
- ALTERNATE HIGHER PERFORMANCE PART SPT-109.
- UL RECOGNIZED COMPONENT - UL 1863, FILE E138250.

Note : Pin Numbers are reference only. [ ] = mm  
 All dimensions are reference unless otherwise specified.



### REVISIONS

DATE	REV	DESCRIPTION	APP'VD
05/18/89	-1	Chgd lgth, width dims were 1.650" & 1.350"	TJK
09/16/1993	-2	Changed THD spec was specified in %	TJK
03/28/2016	-3	Updated entire dwg, added millimeters	TJK

### Electrical Parameters:

Primary Impedance :  $600 \Omega$   
 Secondary Impedance :  $600 \Omega$   
 Turns Ratio : 1:1  $\pm 2\%$   
 DC Resistance :  
 Primary  $60 \Omega \pm 10\%$   
 Secondary  $72 \Omega \pm 10\%$   
 Max DC Current : 80 mAdc  
 Frequency Range : 300-3500Hz  
 Insertion Loss : 1.20B Ref. @ 1KHz  
 Frequency Response :  $\pm 0.5\text{dB}$ , 1KHz Ref.  
 Return Loss : 11.0 dB Min. @ 300Hz  
 Longitudinal Balance : 60dB Min, per IEEE  
 Dielectric 1500Vrms : P-S-C 1 Second  
 THD @ 0dbm, 300Hz : -53dB typical  
 Note : Reflected Z = 700 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: 03-28-16

*Tj Klotz*

REVISED

p/n SPT - 190

DRAWING NUMBER  
 A-SPT-190-3