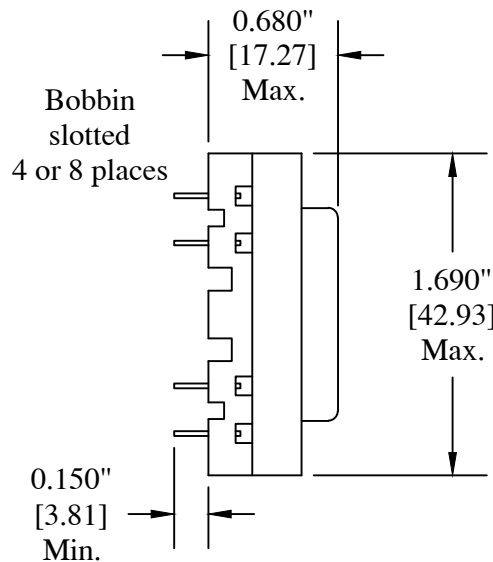
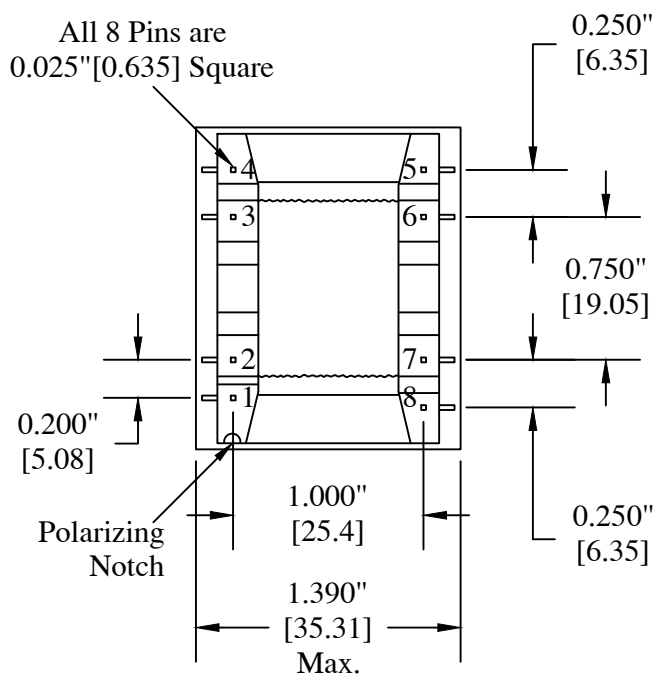


- VOICE & DATA APPLICATIONS.
- DESIGNED FOR WET (120mA DC) CIRCUITS.
- IMPEDANCE RATIOS OF 600 Ω : 600 Ω .
- ALTERNATE ECONOMY PART SPT-199.
- UL RECOGNIZED COMPONENT - UL 1863, FILE E138250.

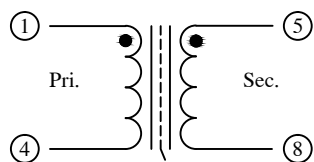
Note : Pin Numbers are reference only. [ ] = mm

All dimensions are reference unless otherwise specified.

Note: Prem has supplied SPT 184 and 185 configurations to customers who have BPO approval on their systems; However, usage of SPT 184 and 185 will not guarantee BPO or BSI approval for your specific equipment. SPT 184 and 185 are also applicable for domestic use.



Schematic



Note: Screen constructed with solid copper foil. Ends overlap > 5mm

REVISIONS

DATE	REV	DESCRIPTION	APP'VD
10/30/1993	-1	Changed THD spec was specified in %	GG
03/23/2016	-2	Update; added millimeters	TJK

Electrical Parameters:

Primary Impedance : 600 Ω  
 Secondary Impedance : 600 Ω  
 Turns Ratio : 1:1.1036 ±2%  
 DC Resistance :  
 Primary 57.5 Ω ±10%  
 Secondary 99 Ω ±10%  
 Max DC Current : 120 mAdc  
 Frequency Range : 300-3500Hz  
 Insertion Loss : 1.30B Ref. @ 1KHz  
 Frequency Response : ±0.5dB, 1KHz Ref.  
 Return Loss : 11.0 dB Min. @ 300Hz  
 ERL : 18.0dB Minimum  
 Longitudinal Balance : 60dB Min, per IEEE  
 Dielectric 2200VDC : P-Core, Screen - S, S-Core, Screen - P, 1 Minute minimum  
 Insulation Resistance: > 100MΩ @500VDC  
 THD @ 0dbm, 300Hz : -55dB typical  
 Note : Reflected Z = 620 Ref. (Ohms) @1KHZ, 120mA D.C./Primary & 600 Ohm RL/Secondary

**PREM**  
MAGNETICS INCORPORATED

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

SCALE: None

APPROVED BY:

DRAWN BY TJK

DATE: 03-22-15

*Tj Klotz*

REVISED

p/n SPT - 185

DRAWING NUMBER  
B-SPT-185-2