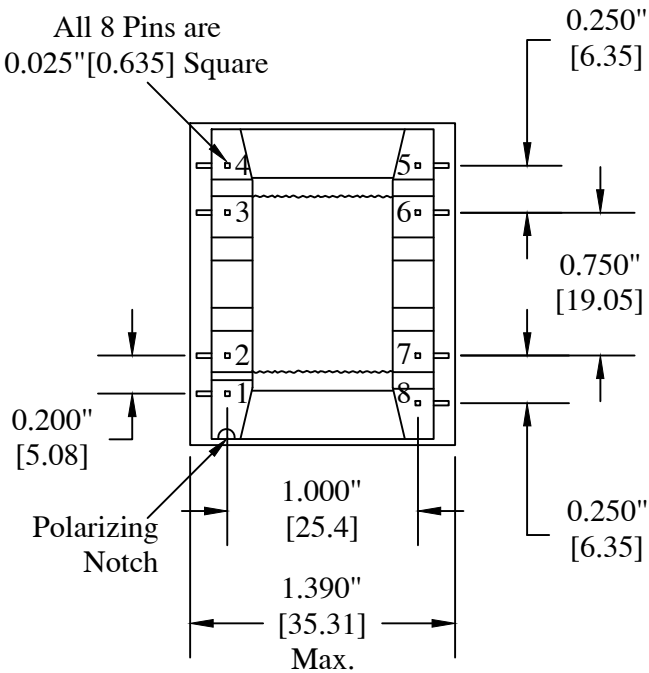


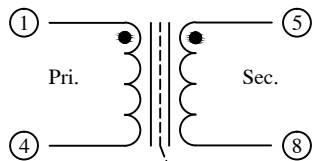
- VOICE & DATA APPLICATIONS.
- DESIGNED FOR WET (120mA DC) CIRCUITS.
- IMPEDANCE RATIOS OF 600 Ω : 600 Ω .
- ALTERNATE HIGHER PERFORMANCE PART SPT-184.
- UL RECOGNIZED COMPONENT - UL 1863, FILE E138250.

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

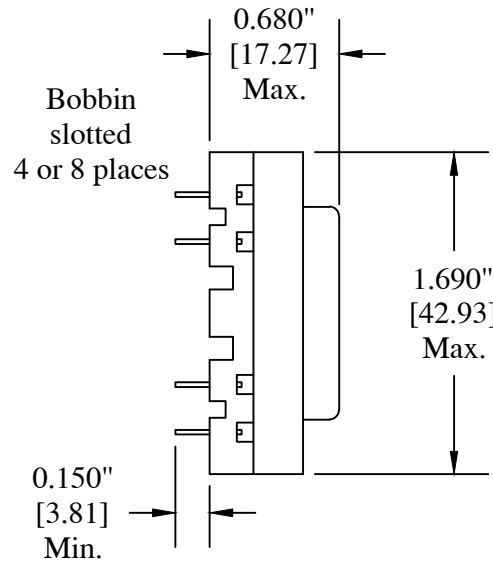
All dimensions are reference unless otherwise specified.



Schematic



⑥ Note: Screen constructed with solid copper foil. Ends overlap > 5mm



REVISIONS

DATE	REV	DESCRIPTION	APPV'D
10/01/93	-1	Changed THD spec was specified in %	TJK
03/29/2016	-2	Update; added millimeters	TJK

Electrical Parameters:

Primary Impedance : 600 Ω
 Secondary Impedance : 600 Ω
 Turns Ratio : 1:1 ±2%
 DC Resistance :
 Primary 63.5 Ω ±10%
 Secondary 99 Ω ±10%
 Max DC Current : 120 mAdc
 Frequency Range : 300-3500Hz
 Insertion Loss : 1.50B Ref. @ 1KHz
 Frequency Response : ±1.0dB, 1KHz Ref.
 Return Loss : 9.0 dB Min. @ 300Hz
 ERL: 12.5dB Min.
 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 : -53dB typical
 Note : Reflected Z = 720 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: 03-29-2016

Tj Klotz

REVISED

p/n SPT - 198

DRAWING NUMBER
B-SPT-198-2