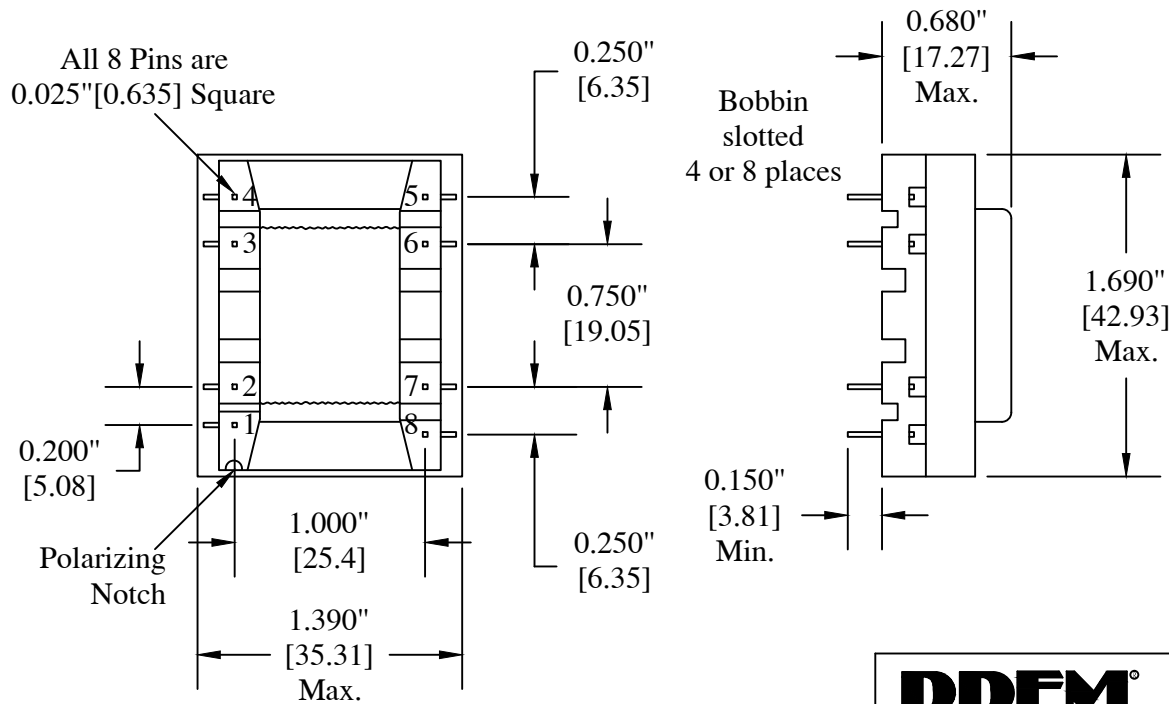


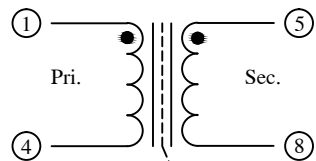
- VOICE & DATA APPLICATIONS.
- DESIGNED FOR WET (120mA DC) CIRCUITS.
- IMPEDANCE RATIOS OF 600 Ω : 600 Ω .
- ALTERNATE HIGHER PERFORMANCE PART SPT-185.
- UL RECOGNIZED COMPONENT - UL 1863, FILE E138250.

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

All dimensions are reference unless otherwise specified.



Schematic



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

REVISIONS

DATE	REV	DESCRIPTION	APPV'D
05/10/1989	-1	Changed Lgth & Wdth were 1.650" & 1.350"	TJK
10/26/1992	-2	Corrected typo in the Freq Resp spec	GG
10/01/1993	-3	Chg'd Harm Distortion, was specified in %	GG
03/29/2016	-4	Updated entire drawing, 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 : 1.50B Ref. @ 1KHz  
 Frequency Response : ±1.0dB, 1KHz Ref.  
 Return Loss : 10.0 dB Min. @ 300Hz  
 ERL : 14.5dB 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 : -53dB typical  
 Note : Reflected Z = 605 Ref. (Ohms) @ 1KHZ, 120mA 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: 03-29-16

*Tj Klotz*

REVISED

p/n SPT - 199

DRAWING NUMBER  
 B-SPT-199-4