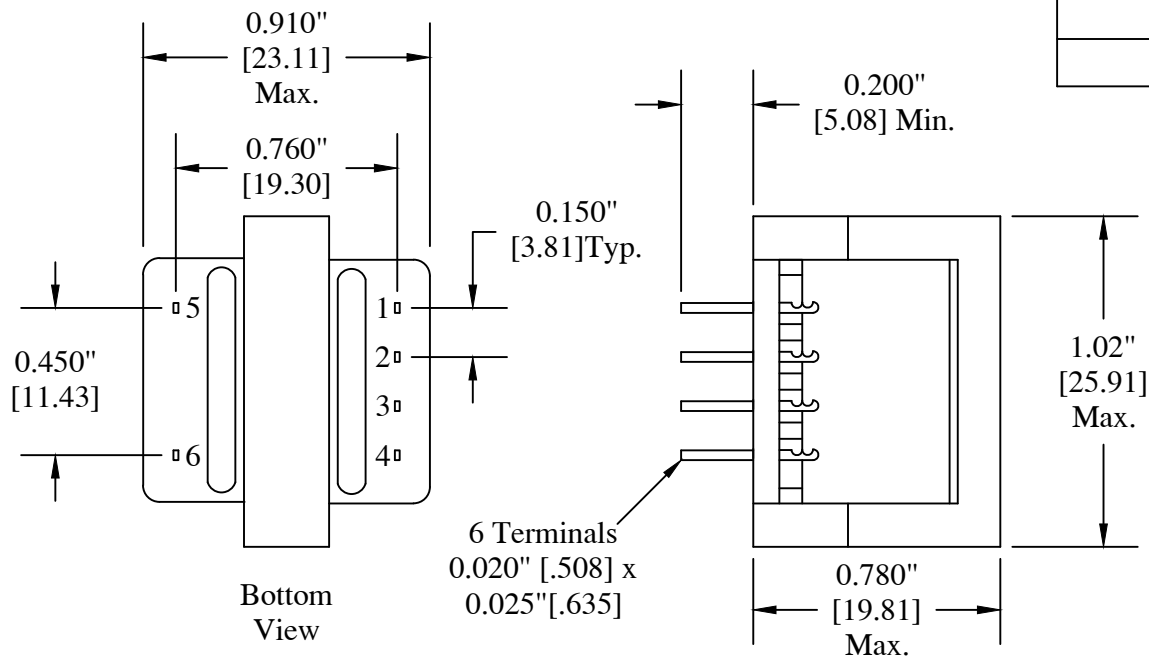


- VOICE & DATA APPLICATIONS.
- DESIGNED FOR WET (50mA DC) CIRCUITS.
- IMPEDANCE RATIO OF 600 Ω : 600 Ω
- ALTERNATE HIGHER PERFORMANCE PART SPT-113.
- UL RECOGNIZED COMPONENT - UL 1863, FILE E138250

REVISIONS			
DATE	REV	DESCRIPTION	APPV'D
10/26/1982	-1	Corrected Freq. Resp. was 0.55dB	GG
06/03/1997	-2	Changed Load, add Insertion loss note	GG
03/29/2016	-3	Updated entire drawing, added mm	Tjk
10/20/2022	-4	Correct Ret. Loss load, was 422 ohms	Tjk



Electrical Parameters:

Primary Impedance : 600 Ω
 Secondary Impedance : 600 Ω
 Turns Ratio : 1 : 1 ±2%
 DC Resistance :
 Primary 75 Ω ±10%
 Secondary 76 Ω ±10%
 Max DC Current : 50 mAdc
 Frequency Range : 300-3500Hz
 Insertion Loss : 1.30B Ref. @ 1KHz *
 Frequency Response : ±0.5dB, 1KHz Ref.
 Return Loss : 11.0 dB Min. @ 300Hz (Load 460 Ω)
 Longitudinal Balance : 60dB Min, per IEEE
 Dielectric 1500Vrms : P-S-C, 1 Second
 THD @ 0dbm, 300Hz : -53dB typical
 460 Ohm load for transmission tests

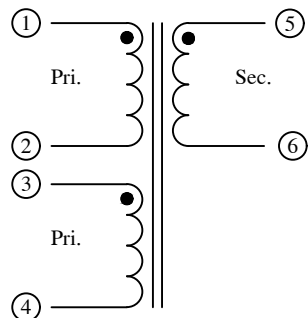
Note : Pin Numbers are reference only.
 [] = mm

All dimensions are reference unless otherwise specified.

Note : Reflected Z = 600 Ref. (Ohms) @ 1KHZ, 50mA D.C./Primary & 460 Ohm RL/Secondary

* Insertion Loss is measured per IEEE with a 600Ω source and termination

Schematic



<p>PREM[®] MAGNETICS INCORPORATED</p>		<p>CUSTOM ENGINEERING MAGNETIC COMPONENTS Johnsburg, Illinois 3521 N. Chapel Hill Rd. / McHenry, Illinois 60051</p>	
		<p>SCALE: None</p>	<p>APPROVED BY: <i>Tj Klotz</i></p>
<p>DATE: 03-29-2016</p>			<p>REVISED</p>
<p>p/n SPT - 196</p>			
			<p>DRAWING NUMBER B-SPT-196-4</p>