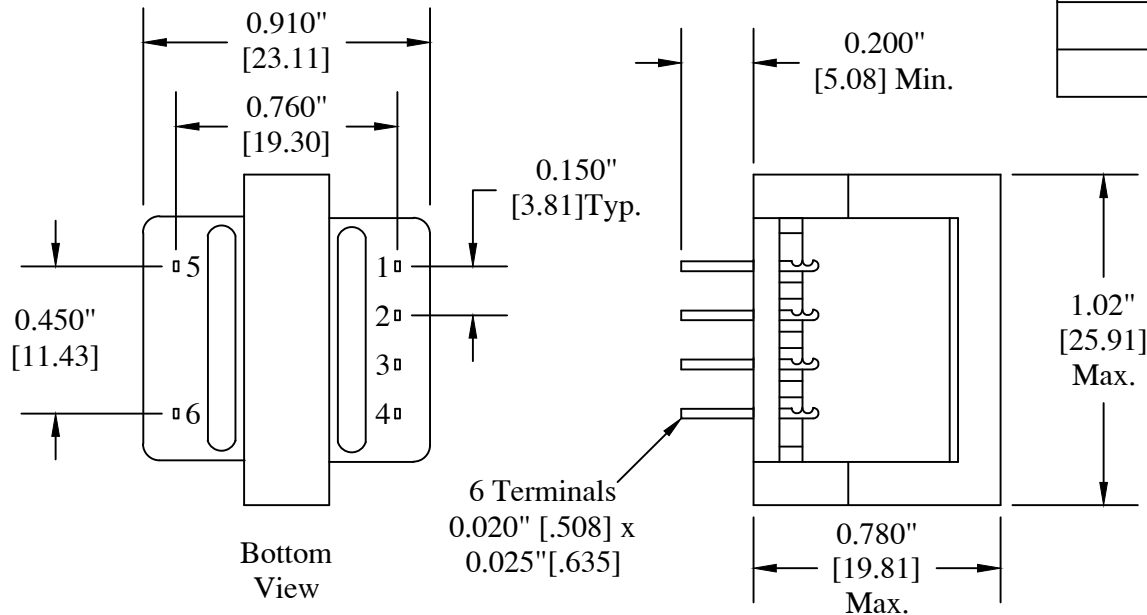


- VOICE & DATA APPLICATIONS.
- DESIGNED FOR WET (60mA DC) CIRCUITS.
- IMPEDANCE RATIO OF 600 Ω : 600 Ω
- MINIMAL USE OF PC BOARD AREA (<1.0" SQUARE).
- UL RECOGNIZED COMPONENT - UL 1863, FILE E138250

REVISIONS			
DATE	REV	DESCRIPTION	APP'VD
10/26/1992	-1	Changed Return Loss, was 12.0 now 10.5	GG
01/28/2016	-2	Updated entire drawing, added mm	Tjk



Electrical Parameters:
 Primary Impedance : 600 Ω
 Secondary Impedance : 600 Ω
 Turns Ratio : 1 : 1 ±2%
 DC Resistance :
 Primary 63 Ω ±10%
 Secondary 88 Ω ±10%
 Max DC Current : 60 mAdc
 Frequency Range : 300-3500Hz
 Insertion Loss : 1.30B Ref. @ 1KHz
 Frequency Response : ±0.55dB, 1KHz Ref.
 Return Loss : 10.5 dB Min. @ 300Hz
 Longitudinal Balance : 60dB Min. per IEEE
 Dielectric 1500Vrms : P-S-C, 1 Second
 THD @ 0dbm, 300Hz : -53dB typical
 600 Ohm load for transmission tests

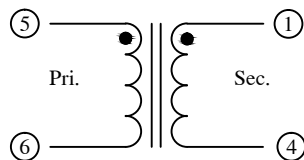
Note : Reflected Z = 700 Ref. (Ohms)
 @ 1KHZ, 60mA D.C./Primary & 600 Ohm RL/Secondary

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

All dimensions are
 reference
 unless otherwise specified.

Note: ERL optimized value 23dB Ref. Secondary loaded with 500 ohms and 0.067µF capacitor, 60mADC on Primary

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: 01-28-16</p>	<p>p/n SPT - 115</p>		<p>REVISED</p>
<p>DRAWING NUMBER B-SPT-115</p>			<p>DRAWING NUMBER B-SPT-115</p>