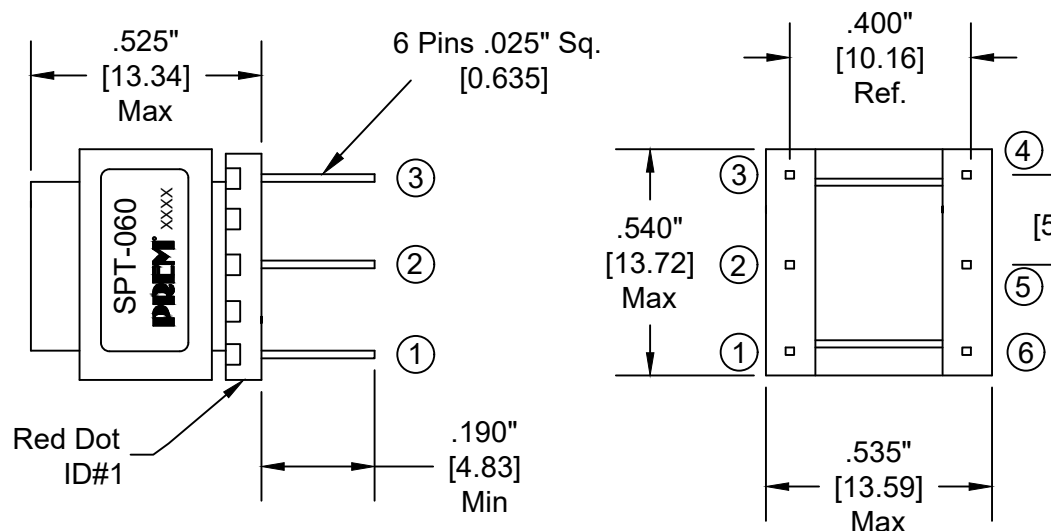


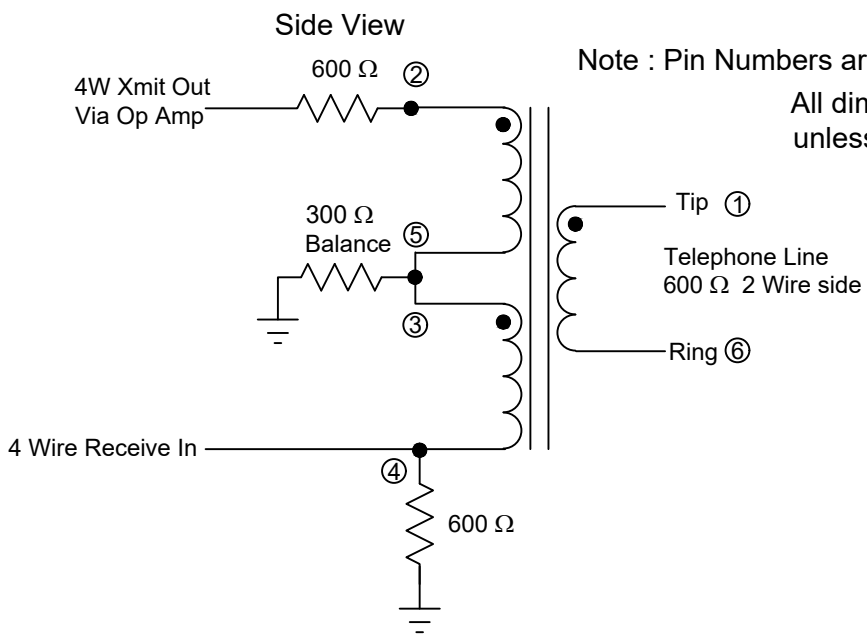
- 2 WIRE TO 4 WIRE HYBRID DRY TRANSFORMER.  
35.0 dB MINIMUM TRANSHYBRID BALANCE 300 - 3500Hz,  
RETURN LOSS GREATER THAN 26.0dB OVER SAME  
FREQUENCY RANGE.
- DESIGNED FOR DRY (NO DC) CIRCUITS.
- IMPEDANCE RATIOS OF 600 Ω : 600 Ω : 600 Ω
- HIPOT RATING IS 1500 VRMS FOR 1 MINUTE MINIMUM.

REVISIONS			
DATE	REV	DESCRIPTION	APP'VD
12/05/01	-1	Add additional parameter THD	G.G.
08/16/02	-2	Revise Return Loss & XHybrid Loss	G.G.
10/04/02	-3	Add 300 Hz freq. to min Return Loss spec.	G.G.
08/11/03	-4	Correct ht. dimension was .535" chg'd to .525"	G.G.
01/18/16	-5	Updated entire drawing	TJK



**Electrical Parameters**  
 2 Wire Impedance : 600 Ω  
 4 Wire Xmit & Rcv Impedance : 600 Ω  
 Turns Ratio : 1:1.508 ±2%  
 DC Resistance :  
 1 - 6 : 60.0 Ω ±10%  
 2 - 5 : 57.5 Ω ±10%  
 3 - 4 : 57.5 Ω ±10%  
 Max DC Current : 0 dc  
 Frequency Range : 300-3.5KHz  
 Insertion Loss : 4.5 dB Max @ 1KHz  
 Frequency Response : ±0.3dB, 1KHz Ref.  
 Single TransHybrid Loss : 26.0 dB Min  
 Return Loss : 22.5 dB Min. @ 300Hz  
 Longitudinal Balance : 60dB Min, per IEEE 455  
 Dielectric 1500Vrms : P-S-C instant  
 THD @ 0dbm, 300Hz : 58dB typical  
 Note : If a higher transhybrid loss figure is desirable contact engineering for a dual hybrid configuration.

Note : Pin Numbers are reference only. [ ] = mm  
 All dimensions are reference unless otherwise specified.



<b>PREM</b> MAGNETICS INCORPORATED		CUSTOM ENGINEERING MAGNETIC COMPONENTS Johnsburg, Illinois 3521 N. Chapel Hill Rd. / McHenry, Illinois 60050	
SCALE: None	APPROVED BY:	DRAWN BY TJK	
DATE: 11-07-01	<i>Tj Klotz</i>	REVISED	
Hybrid Transformer p/n SPT - 060			
Single Hybrid Connection From Filter to Line		DRAWING NUMBER A-SPT-060 -5	