Line Matching Transformer

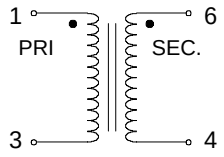
Turns Ratio (± 5%)	1 : 1

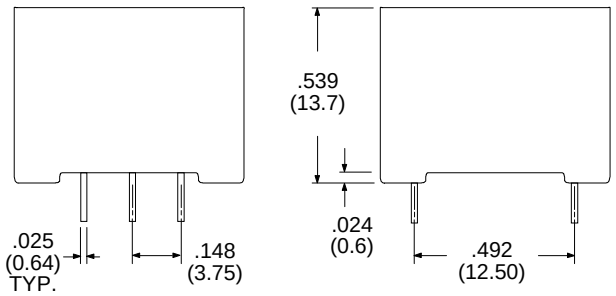
- 4000 V_{RMS} minimum Isolation
- Longitudinal Balance is 60dB minimum
- Frequency range: 200Hz to 4.0kHz
- Materials used in construction of this component meet or exceed UL Class B and can operate up to 130°C

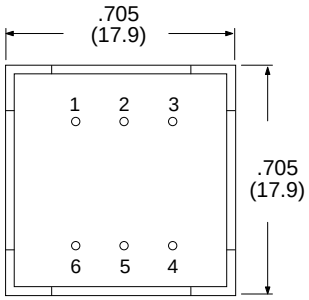
Electrical Specifications at 25° C

Parameter	Min.	Typ.	Max.	Units
Insertion Loss @ 2 kHz With load of 560 ohms			1.5	dB
Frequency Response Low Frequency 3 dB High Frequency 3 dB 200Hz - 4kHz	 10		 50 ±0.2	 Hz kHz dB
Return Loss 200Hz-4kHz	18			dB
Distortion 0 dBm in Line at 450Hz		-72	-60	dBm
Balance DC 5kHz	 80			 dB
Saturation **Excitation 50Hz 250Vrms.** **Otput Voltage** Across Line			 **10** 65	 **Vrms** V peak]
Voltage 50Hz Isolation	4.0 5.5			kV rms kV DC
DC Resistance sum of the windings	118	146		ohms

SCHEMATIC







Dimensions in Inches (mm)

Unused Pins Omitted
as Per Schematic

RHOMBUS P/N: T-30805	
CUST P/N:	NAME:
DATE: 11-28-99	SHEET:

Rhombus Industries Inc.
Transformers & Magnetic Products

www.rhombus-ind.com

15801 Chemical Lane,
Huntington Beach, CA 92649-1595
Phone: (714) 898-0960 • FAX: (714) 896-0971