

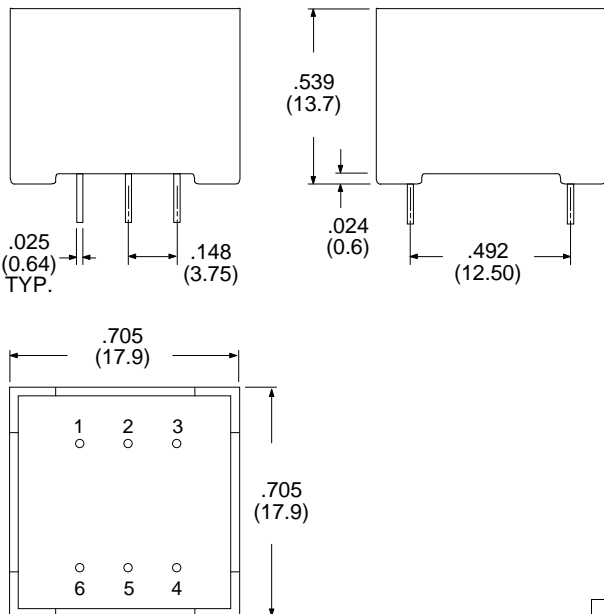
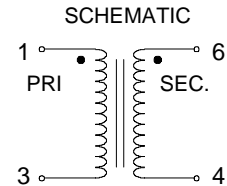
# Line Matching Transformer

Turns Ratio (± 5%) 1 : 1

## 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 <b>Excitation 50Hz 250Vrms.</b> <b>Output Voltage</b> 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

- ☛ 4000 V<sub>RMS</sub> 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



Dimensions in Inches (mm)

Unused Pins Omitted  
as Per Schematic

RHOMBUS P/N: T-30805

CUST P/N:

NAME:

DATE: 11-28-99

SHEET: