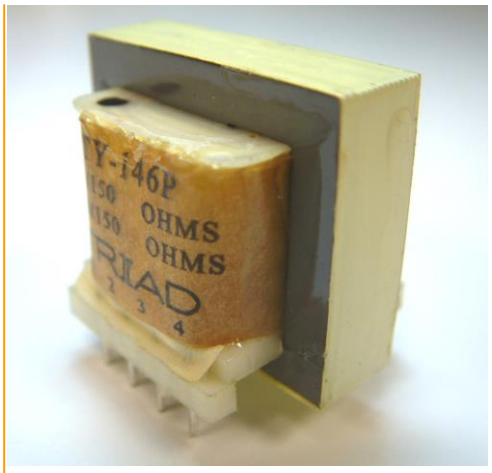
Audio Transformer

PC Mount

T Y - 1 4 6 P



Description:

These transformers operate in the 200 Hz to 15,000 Hz range, making them suitable for a broad application spectrum in the audio industry. These devices are used in line matching, telephone coupling, pulse trigger, driver, interstage, output, isolation and input applications.

Operating Temperature Range: -20º C to 85º C

Electrical Specifications at 25º C:

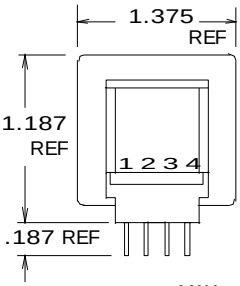
1.	Primary Impedance:	600Ω CT / 150§ + 15% with 600Ω load
2.	Secondary Impedance:	600Ω CT / 150§
3.	Output:	1W
4.	Primary DC Unbalance:	0 Ma
5.	Frequency Response:	± 2db from 200 to 15,000 Hz
6.	Impedance Matching:	10% over full frequency range
7.	Longitudinal Balance	> 45db
8.	Insertion Loss @ 1K Hz:	< 1.5db
9.	Return Loss:	> 26db
10.	Total Harmonic Distortion	< 0.5% between 275Hz and3.5KHz
11.	DCR:	
	Primary (1-2)	17Ω□□ Nominal□□
	Primary (3-4)	19Ω□□ Nominal□□
	Secondary (5-6)	14.5Ω Nominal
	Secondary (7-8)	22Ω Nominal
12.	Turns Ratio:	1 : 1
13.	Dielectric Strength	1500V Pri to Sec to Core

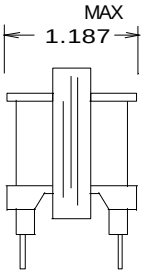
Construction:

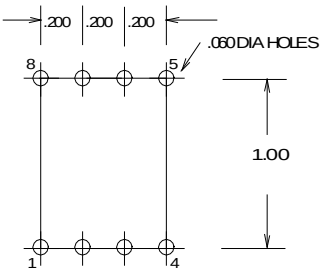
Bobbin has plug-in terminals which are spaced to provide fixed mounting centers. Pins are a rugged .042” square, minimizing the incidence of bent pins from handling.

Outline Dimensions:

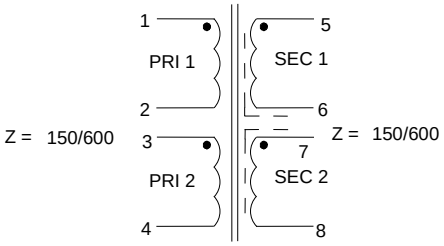
A. Dimensions: As figures show
B. PIN DIM. : .0375” x .020”
C. Weight. : 3.0 oz.







Schematic:



RoHS Compliance: As of manufacturing date February 2005, all standard products meet the requirements of 2011/65/EU, known as the RoHS initiative.

*Upon printing, this document is considered “uncontrolled”. Please contact Triad Magnetics website for the most current version. For soldering and washing information please see http://www.triadmagnetics.com/faq.html

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Publish Date: January 31, 2019