

TY - 142 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: 0° C to 105° C

Electrical Specifications at 25° C:

1. Primary Impedance:	10000Ω CT + 15% with 600Ω load
2. Secondary Impedance:	2000Ω CT
3. Output:	100mW
4. Primary DC Unbalance:	4 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 and 3.5KHz
11. DCR:	
Primary (1-3)	750Ω Nominal
Secondary (4-6)	217Ω Nominal
12. Turns Ratio:	2.24 : 1
13. Dielectric Strength	1500V Pri to Sec to Core

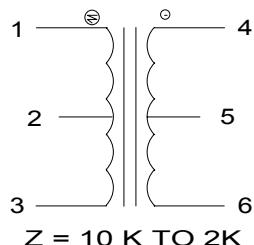
Construction:

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:

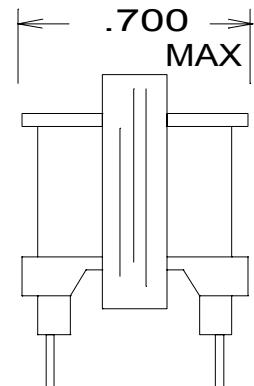
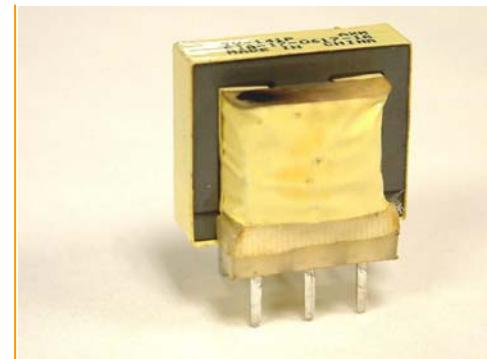
- A. Dimensions: As figures show
- B. PIN DIM.: .0375" x .020"
- C. Weight: .51 oz.

Schematic:

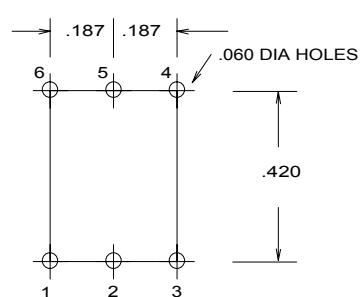
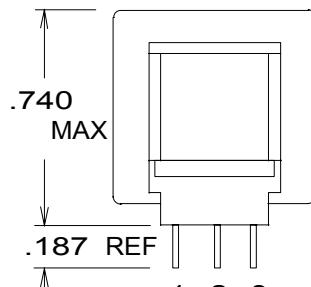


RoHS Compliance: As of manufacturing date February 2005, all standard products meet the requirements of 2002/95/EC, known as the RoHS initiative.

*Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.



DOT ABOVE #1 PIN
ON BOBBIN FLANGE



Mouser Electronics

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