

## SOWTER TYPE 1475

**Input phase splitter 1:1+1 100% balance. Replacement for Triad HS-29 in Pultec EPQ 1A. Replaces 8920**

### Applications

10k/10k+10k (10K/40KCT) input transformer with two identical outputs for driving a balanced (push-pull) amplifier. Two chamber bobbin ensures 100% amplitude and phase balance over the full bandwidth. Replacement transformer for Triad HS-29 with improved performance. Zobel network not normally required. May be used in reverse for stereo to mono combination. Ideal for the interstage transformer on the Pultec EPQ-1A giving improved performance relative to Sowter type 9330. May be used as a high impedance splitter or combiner. Ideal for combining two stereo signals to feed a mono amplifier. Max level +31 dBu Mumetal can. Needs a small modification to fit Drip chassis. Please ask for details. Can be used to replace obsolete type 3276 by connecting secondary windings in parallel.



Combines the functions of a bridging input transformer and a highly accurate phase splitter for use in recording studio amplifiers using balanced transistor or valve circuits. Ideal for push-pull power amplifiers to obviate the need for negative feedback to correct phase splitting errors at high frequencies. Can be driven from a balanced or unbalanced source from low to high impedance (0 to 10k ohms). Provides high common mode noise isolation and the high input impedance means the amplifier will present minimal loading to the source.

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This transformer will enhance the performance of the Drip EPQ-1A board but a small modification is required to make room for it. Two connectors should be mounted on the back side of the board..

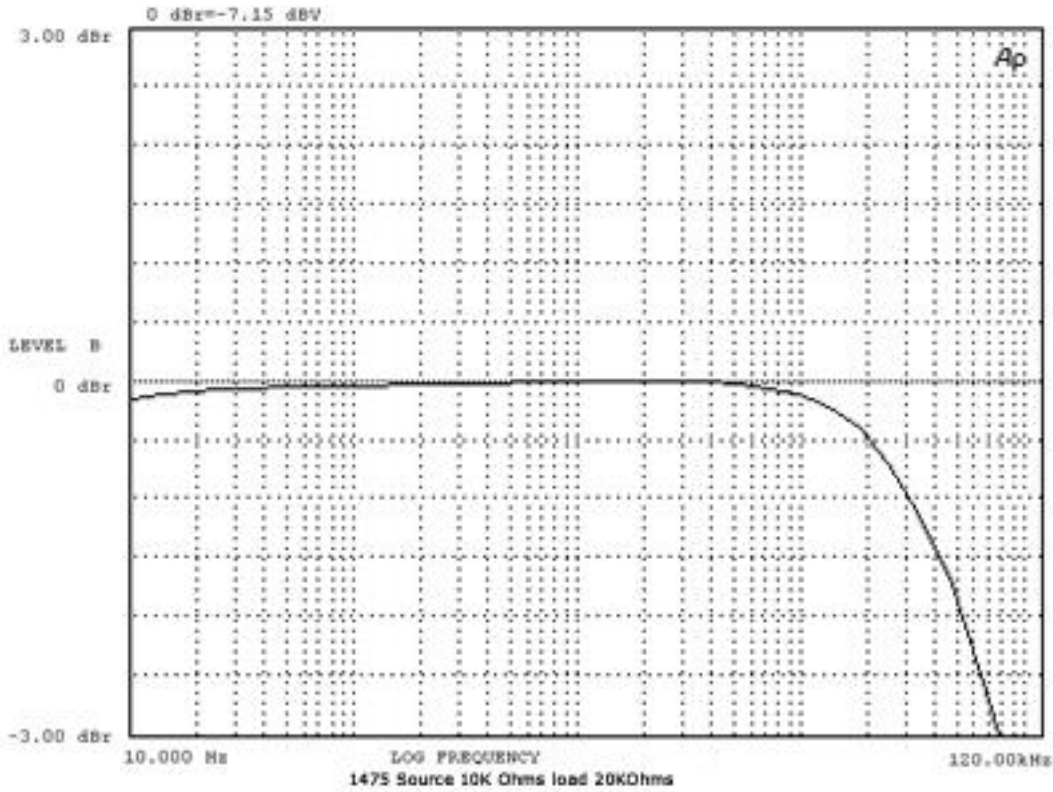
## Features

Mumetal core for minimal harmonic distortion and exceptional bandwidth. Balanced two chamber winding. The two-chamber winding also ensures the two secondary windings are identical in resistance, capacitance and coupling factor resulting in almost perfect phase split drive to balanced amplifier even at high frequencies. Multiple interleaved windings ensuring exceptionally good bandwidth. Very low phase shift ensures excellent transient response. Mumetal can for magnetic shielding. A relatively large core ensures high level capability.

## Specifications

Item	Value
RATIO	1:1+1. Configurable as 1:2 with center tap (Join Violet to White)
FREQUENCY RESPONSE (Typical) 10K Ohm source 20K Ohm load	3 dB 5 Hz and 80 kHz
PHASE SHIFT UNBALANCE	<1.0 degree
PRIMARY INDUCTANCE (Typical)	130 H
DC RESISTANCE	900 Ohms each winding Typical
MAX LEVEL	+23 dBu

## Mechanicals



Size: J Style: e

