

## SOWTER TYPE 4243 DI Box transformer 10:1

### Applications

For connecting high impedance device such as a guitar pick-up to amplifier. Ensures that pick-up sees a high impedance load and provide hum/buzz isolation. Enables long leads from Guitar to be used without loss of signal quality. Can connect to balanced or unbalanced inputs. +34 dBu SIZE E. Dimensions.

For matching high impedance (10k to 100k ohm) guitar pick-up etc to microphone or desk input. Ensures optimum loading of the guitar pick-up and correct matching to microphone pre-amplifier. Accepts balanced or unbalanced inputs or outputs. Isolates ground noise effects. Enhances harmonic content when long cable is used. Secondary CT provided for use with push-pull amplifiers. Normally it should not be connected.



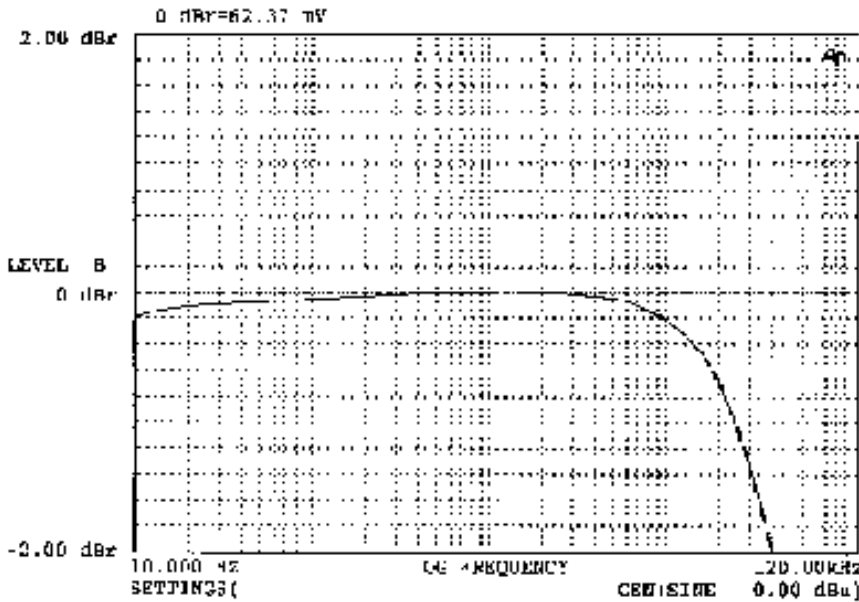
### Features

Mumetal core for minimal harmonic distortion. Multiple interleaved windings to minimise leakage inductance ensuring good high frequency response. Electrostatic screens for noise rejection. Secondary winding centre tapped to provide phantom powering of an active transducer or phase split feed for use with a push-pull amplifier. Mumetal can for magnetic shielding. Package options. Available with and without Mumetal can.

## Specifications

Item	Value
RATIO	10ct:1
MAXIMUM LEVEL 0.5 % THD at 50 Hz (40 ohm source)	+34 dBu
DISTORTION at 50 Hz (Source 40 ohms)	0.25% at +20 dBu
PRIMARY INDUCTANCE/RESISTANCE (approx)	800 H / 2800 Ohms
SECONDARY INDUCTANCE/ RESISTANCE (approx)	8H / 74 Ohms
FREQUENCY RESPONSE 10k ohm source 1k ohm load	+/- 1.5 dB 10 Hz to 40 kHz

## Mechanicals



Typical frequency response measured with 10k ohm source and 1k ohm load

