

SOWTER TYPE 8044 DI Box Transformer 12:1

Applications

For connecting high impedance device such as a guitar pick-up to amplifier. Ensures that pick-up sees a high impedance load. Has twin electrostatic shields for improved hum/buzz isolation. Enables long leads from Guitar to be used without loss of signal quality. Can connect to balanced or unbalanced inputs +29 dBu. For matching high impedance (10k ohm) guitar pick-up etc to microphone input. Ensures optimum loading of the guitar pick-up and correct matching to microphone pre-amplifier. For use in high electrical noise environments such as when pick-up is connected to guitar amplifier as well as microphone channel. Accepts balanced or unbalanced inputs or outputs. Ideal for matching a high impedance amplifier output to a balanced 600 ohm line but a dc blocking capacitor must be used.



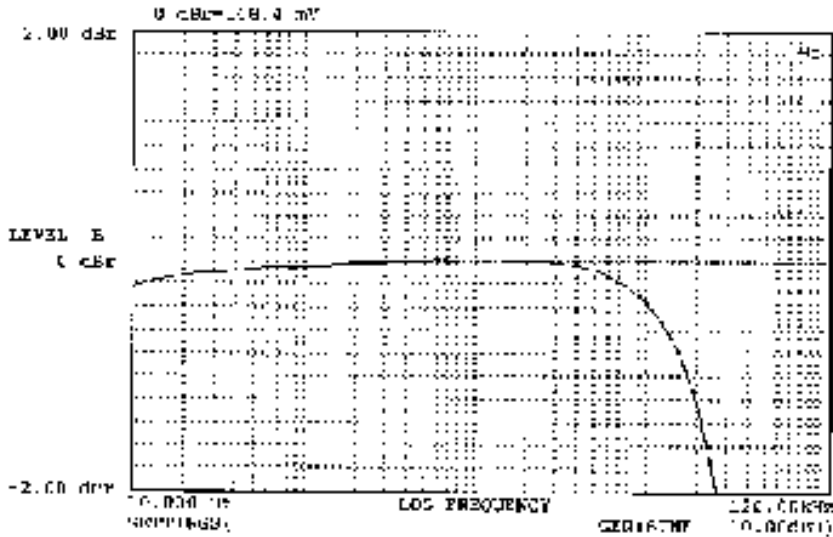
Features

Mumetal core for minimal harmonic distortion. Two separate Faraday (electrostatic) screens for rejecting noise in both guitar amplifier and microphone channel. Mumetal can for magnetic shielding.

Specifications

Item	Value
RATIO	12:1
MAXIMUM LEVEL 0.5 % THD at 50 Hz (40 ohm source)	+29 dBu
DISTORTION at 50 Hz (Source 40 ohms)	0.25% at +20 dBu
PRIMARY INDUCTANCE/RESISTANCE (approx)	570 H / 3500 Ohms
SECONDARY INDUCTANCE/RESISTANCE (approx)	3.9H / 59 Ohms
FREQUENCY RESPONSE 10k ohm source 1k ohm load	+/- 1 dB, 10 Hz to 20 kHz

Mechanicals



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

