

SOWTER TYPE 4600

10k/10k Isolator-Balancer

Applications

Low cost. Small Size. For eliminating ground loops with connected equipment. Converts tube amp unbalanced input to balanced. Recommended in size or cost critical situations where reduced bandwidth is acceptable. +12.5 dBu.

For reduction of most kinds of noise caused when equipment is connected. Ideal as an input transformer for a valve or transistor amplifier to provide a balanced, isolated line input which will then accept balanced or unbalanced sources of any impedance. Unbalanced to balanced conversion and vice versa. For use where it is important not to load the driving circuit. For helping to ensure Electromagnetic Compatibility (EMC) compliance. Please check level capability is adequate for your application. For High levels use type 3575.



Features

High impedance presents minimal load to a 10 KOhm source even at 15 Hz. Mumetal core for minimal harmonic distortion. Internal electrostatic shield for high common mode noise rejection. Mumetal can for magnetic shielding. Secondary centre tap for phase splitting etc. Various package options.

Specifications

Item	Value
RATIO	1:1
MAXIMUM LEVEL 0.5 % THD at 50 Hz (40 ohm source)	+12.5 dBu
DISTORTION at 50 Hz (Source 40 ohms)	0.05% at +6.5 dBu
PRIMARY INDUCTANCE	30H approx
TOTAL DCR (Referred to primary)	1300 Ohms approx
INSERTION LOSS 7.5k ohm source 10k ohm load	0.75 dBu
INPUT/OUTPUT BALANCE	>50 dB
FREQUENCY RESPONSE 6k4 ohm source 10k ohm load	+/- 0.25 dB 15 Hz to 60 kHz

Mechanicals



