

## SOWTER TYPE 4383 600/10k 1:4 Mic/Line Input Transformer

### Applications

May be used for 1:4 voltage gain for a mic/line input or used in reverse for matching a CD player or sound card to a 600 ohm line. High performance Sowter generic transformer suitable for Teletronix LA-2A Comp. 600/10K input where improved bandwidth is required. Total dc resistance 112 ohms ref primary. . . Line input transformer for tube, IC or transistor amplifier. CT input for providing phantom power to microphone etc. Mumetal can. Colour coded leads (Type 4383F) or PCB mounting (Type 4383C) +16 dBu on 600 ohm side. tested with Drip Electronics Opto 4 PCB.

For use as a line input transformer for tube or solid-state amplifier which can be driven balanced or unbalanced. Centre tap on input for phantom powering etc. Available with leads or for PCB mounting. May also be used with primary and secondary reversed as a step-down transformer for use with a CD player or similar device. In this mode the transformer will isolate and balance the output as well as reducing the impedance and output level by 12 to 14 dB for driving a 600 ohm balanced line.



### Features

Mumetal core for minimal harmonic distortion, high bandwidth and excellent transient response. Internal electrostatic shield and bifilar wound primary for high common mode noise rejection. Mumetal can for magnetic shielding. The secondary may be loaded with 50k $\Omega$  ohms which ensures a high input impedance of about 3k $\Omega$  ohms over a good frequency range. Various package options.

## Specifications

Item	Value
RATIO	1ct:4.08
MAXIMUM LEVEL 0.5 % THD at 50 Hz (40 ohm source)	+16 dBu
DISTORTION at 50 Hz (Source 40 ohms)	0.05% at +20 dBu
PRIMARY INDUCTANCE	12.5H approx
TOTAL DCR (Referred to primary)	99 Ohms approx
INSERTION LOSS 10k ohm source 10k ohm load	0.3 dBu
INPUT/OUTPUT BALANCE	>60 dB
FREQUENCY RESPONSE 6k4 ohm source 10k ohm load	+/- 0.25 dB 10Hz to 60 kHz

## Mechanicals



