

SOWTER TYPE 4935 200/10k Microphone Input Transformer

Applications

High performance mic input. 1:7 ratio. As 3195 but improved level, input impedance and bandwidth. +12 dBu. High gain 200 ohm microphone input transformer matching to a high input impedance amplifier. Secondary can be loaded with a high impedance (30K to 50K) to reduce reflected loading on the microphone. Reduces most kinds of noise caused by coupling to the mic cable. Helps to ensure Electromagnetic Compatibility (EMC) standards compliance. May be used for balanced to unbalanced conversion and vice versa.



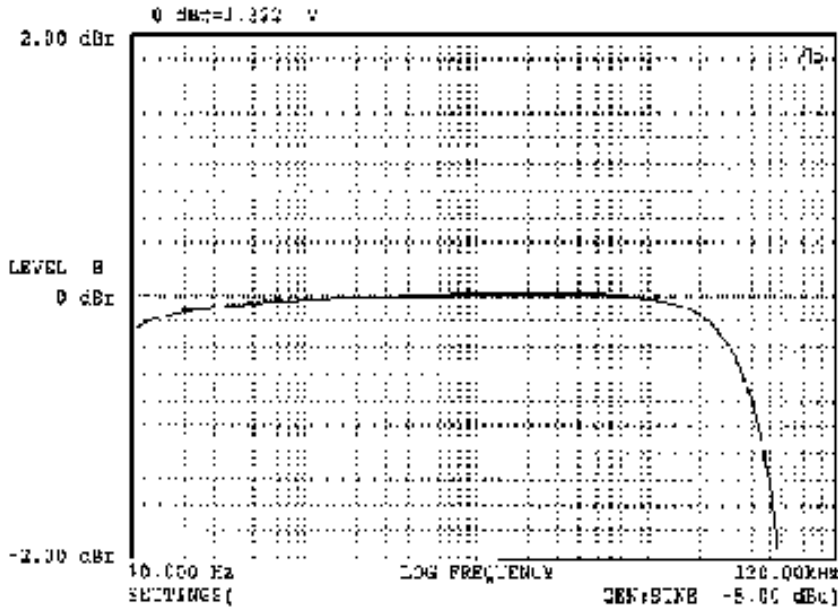
Features

Mumetal core for minimal harmonic distortion. Internal electrostatic shields for maximum common mode noise rejection at high frequencies. Multiple interleaved windings ensure low leakage inductance for excellent high frequency response. Mumetal can for magnetic shielding. Centre tap for phantom powering.

Specifications

Item	Value
RATIO	1ct:7
MAXIMUM INPUT LEVEL 0.5 % THD at 50 Hz (40 ohm source)	+12 dBu
DISTORTION at 50 Hz (Source 40 ohms)	0.05% at +20 dBu
PRIMARY INDUCTANCE	5.1 H approx
TOTAL DCR (Referred to primary)	31 Ohms approx
INSERTION LOSS 200ohm source 30k load	0.67 dBu
INPUT/OUTPUT BALANCE	>60 dB
FREQUENCY RESPONSE 200 6k4 ohm source 10k ohm load	+/- 0.25 dB 10Hz to 35 kHz

Mechanicals



Typical frequency response measured with 200 ohm source and 30k ohm load

