



DESCRIPTION

The IX-51 is a balanced-to-unbalanced audio transformer designed for electrical and physical compatibility with the AA-51 Audio Analyzer. Intended primarily as an interface between the AA-51 and balanced lines, the IX-51 may be used as a general purpose matching transformer for other balanced-to-unbalanced applications in the Audio Spectrum.

The floating primary may be bridged across a 600 ohm balanced line with negligible loading effects. The primary can be internally terminated in 600 ohms, 150 ohms or an open circuit by means of a three position slide switch. When the IX-51 is connected to the AA-51 Analyzer for balanced measurements, degradation of frequency response and distortion is negligible for most applications. Performance curves shown elsewhere on this page show typical measurements of the IX-51 made using the AG-51 Audio Generator as a source and the AA-51 Audio Analyzer as the measuring instrument.

The IX-51 is housed in a cast aluminum box. The transformer secondary output is connected to a 15" cable with a matching connector for the AA-51 input jack. The primary is terminated by a connector identical to the input jack of the AA-51 for test lead compatibility.

SPECIFICATIONS

Voltage Ratio, output/input	1:1 when terminated in high impedance load such as the AA-51 Audio Analyzer
Frequency Response	see curves
Total Harmonic Distortion	see curves
Maximum Input level	
600 ohms	2 W max (34.6Vrms)
150 ohms	2 W max (17.3Vrms)
Input Impedance	Switch selected
	600 ohms ± 1%
	150 ohms ± 1%
	Hi Z > 20K
Dimensions	3 x 2.75 x 1.75 (in) 7.6 x 7.0 x 4.5 (cm)



Specifications subject to change without notice.



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