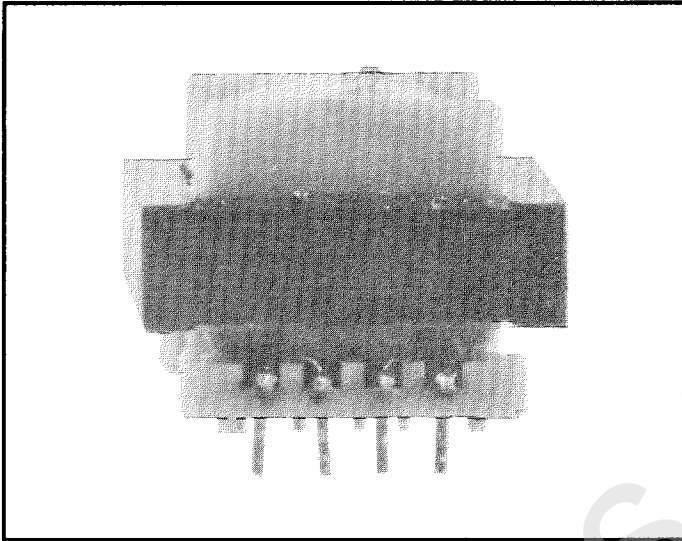




# 15550A / 15560A Circuit Board Mounting Isolation Transformers



## 15550A SPECIFICATIONS

**Nominal Primary Impedance:** 15,000 ohms.  
(Ref. 1 kHz, secondary terminated with 15,000 ohms.)

**Recommended Load Impedance:** > 15,000 ohms.

**Maximum Input Level:** +20 dBu (7.75 Vrms).

**Frequency Response:** 20 Hz to 15 kHz  $\pm$  0.5 dB.

**Bandwidth ( $\pm$  3 dB):** 50 kHz.

**Total Harmonic Distortion:** < 0.05% at 1 kHz.  
< 0.1%, 50 Hz to 20 kHz.  
< 0.2%, 20 Hz to 50 Hz.

**Insertion Loss:** < 1.5 dB.

**Turns Ratio:** 1:1

**Impedance Ratio:** 15,000 ohms to 15,000 ohms.

**Phase Shift:** < 25 degrees.

### Dimensions

**Length:** 1.4 in. (3.56 cm)

**Width:** 1.3 in. (3.30 cm)

**Height:** 1.04 in. (2.64 cm)

## KEY FEATURES

- ★ Low Insertion Loss
- ★ Low Distortion
- ★ Wide Frequency Response
- ★ Easily Installed

## DESCRIPTION

The Altec Lansing model 15550A and 15560A Isolation Transformers are designed to provide line-level isolation and balancing conversions.

They have a broad, flat frequency response and low distortion. Designed with a low profile, they are circuit board mounting and plug directly into prepared mounting locations on a number of Altec Lansing signal processing products.

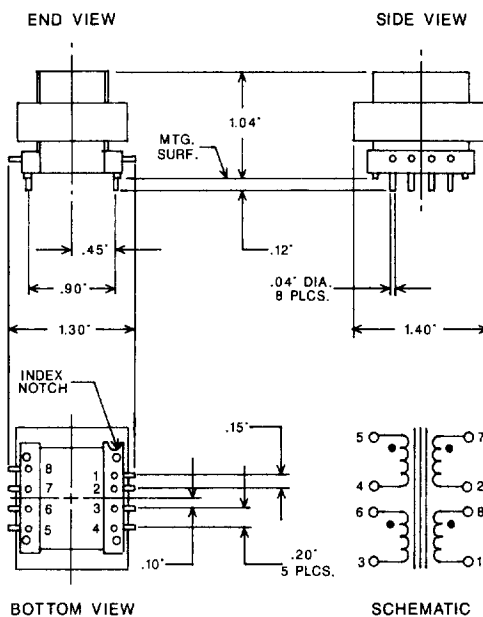
Their primary use is in situations where a

transformer balanced input or output circuit is desired. They are ideal where it is necessary to isolate and separate the ground circuits of two units powered from two different AC distribution circuits. Although the two units appear to be identical, the 15550A has been optimized for use in 15,000 ohm bridging input circuits and the 15560A has been optimized for use in 600 ohm output circuits.

For best performance, they should not be interchanged.

# 15560A SPECIFICATIONS

<b>Recommended Primary Source Impedance:</b>	< 600 ohms.	<b>Total Harmonic Distortion:</b>	< 0.5%, 20 Hz to 20 kHz. (Ref. 1 kHz, + 20 dBm input, secondary terminated with 600 ohms.)
<b>Recommended Load Impedance:</b>	600 ohms or greater.	<b>Insertion Loss:</b>	< 1.5 dB.
<b>Maximum Output Level:</b>	+20 dBm (7.75 Vrms, Ref. 1 kHz, secondary terminated with 600 ohms.)	<b>Turns Ratio:</b>	1:1
<b>Frequency Response:</b>	20 Hz to 15 kHz $\pm$ 1.0 dB. (Ref. 1 kHz, + 20 dBm input, secondary terminated with 600 ohms.)	<b>Impedance Ratio:</b>	600 ohms to 600 ohms.
		<b>Dimensions</b>	
		<b>Length:</b>	1.4 in. (3.56 cm)
		<b>Width:</b>	1.3 in. (3.30 cm)
		<b>Height:</b>	1.04 in. (2.64 cm)



## ARCHITECT'S and ENGINEER'S SPECIFICATION

[Note to specification writer: The following specification should be appended to the specification for the product into which the transformer(s) are to be installed.]

Each input channel of the Altec Lansing model \_\_\_\_ {specify model number of unit into which transformer is to be installed} shall be equipped with a model 15550A isolation transformer.

Each output of the Altec Lansing model \_\_\_\_ {specify model number of unit into which transformer is to be installed} shall be equipped with a model 15560A isolation transformer



a MARK IV company

P.O. BOX 26105 • OKLAHOMA CITY, OK 73126-0105 • U.S.A. • (405) 324-5311 or FAX: (405) 324-8981

© 1992 ALTEC LANSING CORPORATION