

Model 15470

70.7/140/210 Volt
Output Transformer



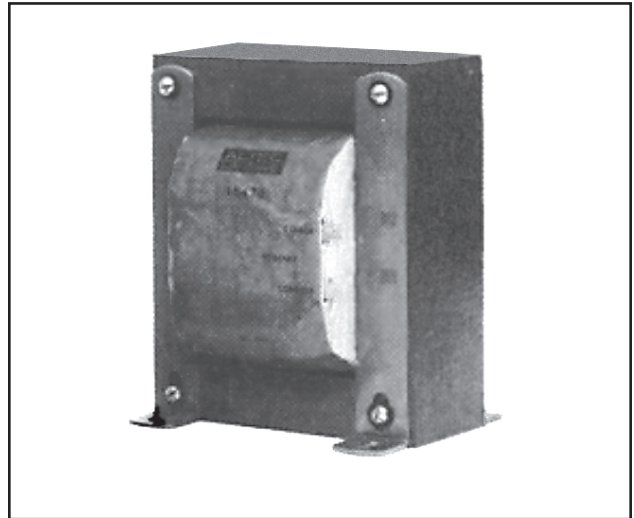
COMMERCIAL

General Product Description

Electro-Voice® Model 15470 70.7V, 140V and 210V Output Transformer is designed for convenient and efficient transmission of amplifier power to distributed sound systems, multiple loudspeakers, or to loudspeakers at great distance from the power amplifier. The transformer permits the widest flexibility of amplifier selection, and accommodates a wide range of user requirements for impedance matching, output voltage and power.

Primary and secondary windings are **electrically isolated**, so that the transformer offers a **balanced** load to the amplifier, and a **balanced** source to the loudspeakers. **Low insertion loss, low distortion and high efficiency** are maintained throughout the dynamic range of the transformer, and throughout the frequency band of 35 to 15,000 Hz. The transformer has an insertion loss of 0.5 dB, and draws that much extra power from the amplifier to supply rated power to the load. The transformer terminals are 0.25-inch blade type quick-connect wire terminals, allowing either wrap-and-solder connections, or crimp type quick-connect wire terminals for convenience of installation.

The Model 15470 Output Transformer will raise 4-ohm voice coil outputs (or 70.7V outputs) to 70.7V, 140V or 210V, for efficient transmission of power over long cables; another 15470 at the transmission end will step down (210V, 140V or 70.7V lines) to 70.7 V levels for local distribution. In many sound systems with very long transmission lines, savings in wire gauge more than pays for the transformers required.



Architects' and Engineers' Specifications

The transformer shall deliver within ± 1.0 dB of its full rated power over the frequency range of 35 to 15,000 Hz with a maximum insertion loss not greater than 0.5 dB for the most unfavorable impedance combination. Primary and secondary windings shall be electrically isolated, and shall provide a balanced line to the load. All transformers shall utilize 1/4-inch blade quick-connectors for convenience of installation and wiring. The transformer shall be the Electro-Voice® Model 15470.

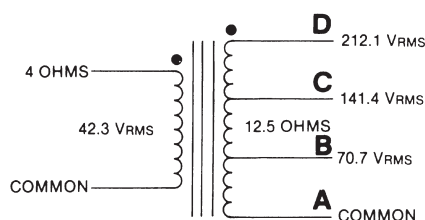
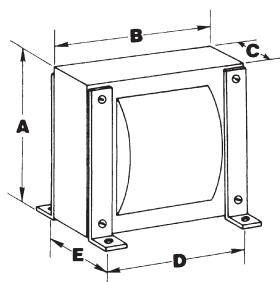
Electro-Voice®

Specifications:

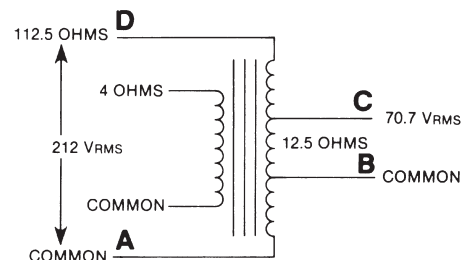
MODEL NUMBER	Freq Response (±1 dB)	Insertion Loss (max)	Primary Voltage (Vrms)*	Primary Impedance (ohms)	Secondary Power (watts)	Secondary Voltage (Vrms)	Secondary Impedance (ohms)	Secondary Power (watts)	WIRING Primary Terminals	Connections Secondary Terminals
15470	35-15,000 Hz	0.5 dB	42.3	4.0	448	70.7	12.5	400	1,2	4, 5
	35-15,000 Hz	0.5 dB	42.3	4.0	448	141.1	50.0	400	1, 2	4, 6
	35-15,000 Hz	0.5 dB	42.3	4.0	448	212.0	112.5	400	1, 2	3, 6
	35-15,000 Hz	0.5 dB	74.9	12.5	448	40.0	4.0	400	5, 6	1, 2
	35-15,000 Hz	0.5 dB	74.9	12.5	448	141.4	50.0	400	5, 6	4, 6
	35-15,000 Hz	0.5 dB	74.9	12.5	448	212.0	112.5	400	5, 6	4, 5
	35-15,000 Hz	0.5 dB	149.7	50.0	448	212.0	112.5	400	4, 6	3, 6
	35-15,000 Hz	0.5 dB	149.7	50.0	448	70.7	12.5	400	4, 6	5, 6
	35-15,000 Hz	0.5 dB	149.7	50.0	448	40.0	4.0	400	4, 6	1, 2
	35-15,000 Hz	0.5 dB	224.6	112.5	448	40.0	4.0	400	3, 6	1, 2
	35-15,000 Hz	0.5 dB	224.6	112.5	448	70.7	12.5	400	3, 6	4, 5
	35-15,000 Hz	0.5 dB	224.6	112.5	448	141.4	50.0	400	3, 6	5, 6

Model 15470 Dimensions & Weights

MODEL NUMBER	A	B	C	D	E	Mounting Holes	WEIGHT
15470	6.38" 16.21 cm.	5.31" 13.49 cm.	2.38" 6.05 cm.	4.31" 10.95 cm.	3.62" 9.19 cm.	0.19" 0.48 cm.	23 lbs. 8 oz. 11.6 kg



Used as an Output Transformer



Used as a Distribution Transformer

USA 12000 Portland Ave South, Burnsville, MN 55337, Phone: 952-884-4051, FAX: 952-884-0043
Canada 705 Progress Avenue, Unit 46, Scarborough, Ontario, Canada, M1H2X1, Phone: 416-431-4975, 800-881-1685, FAX: 416-431-4588
Switzerland Kellenstrasse 11, CH-2563 IPSACH, Switzerland, Phone: 41/32-331-6833, FAX: 41/32-331-1221
Germany Hirschberger Ring 45, D94315, Straubing, Germany, Phone: 49 9421-706 392, FAX: 49 9421-706 287
France Parc de Courcerin, Alle Lech Walesa, Lognes, 77185 Marne La Vallee, France, Phone: 33/1-6480-0090, FAX: 33/1-6480-4538
Australia Unit 23, Block C, Slough Business Park, Slough Avenue, Silverwater, N.S.W. 2128, Australia, Phone: 61/2-9648-3455, FAX: 61/2-9648-5585
Hong Kong Unit E & F, 21/F, Luk Hop Industrial Bldg., 8 Luk Hop St., San PO Kong, Kowloon, Hong Kong, Phone: 852-2351-3628, FAX: 852-2351-3329
Japan 2-5-60 Izumi, Suginami-ku, Tokyo, Japan 168, Phone: 81-3-3325-7900, FAX: 81-3-3325-7789
Singapore 3015A Ubi Rd 1, 05-10, Kampong Ubi Industrial Estate, Singapore 408705, Phone: 65-746-8760, FAX: 65-746-1206
Mexico Av. Parque Chapultepec #66-201, Col. El Parque Edo. Mex. 53390, Phone: (52) 5358-5434, FAX: (52) 5358-5588
UK 4, The Willows Centre, Willow Lane, Mitcham, Surrey CR4 4NX, UK, Phone: 44 181 640 9600, FAX: 44 181 646 7084
Africa, Mid-East 12000 Portland Ave South, Burnsville, MN 55337, Phone: 952-887-7424, FAX: 952-887-9212
Latin America 12000 Portland Ave South, Burnsville, MN 55337, Phone: 952-887-7491, FAX: 952-887-9212

www.electrovoice.com • Telex Communications, Inc. • www.telex.com

© Telex Communications, Inc. 02/2001
Part Number 38109-886 Rev A



Electro-Voice®

U.S.A. and Canada only.
 For customer orders, contact the Customer Service department at
 800/392-3497 Fax: 800/955-6831
 For warranty repair or service information, contact the Service
 Repair department at 800/685-2606
 For technical assistance, contact Technical Support at 866/78 AUDIO
 Please refer to the Engineering Data Sheet for warranty information.
 Specifications subject to change without notice.