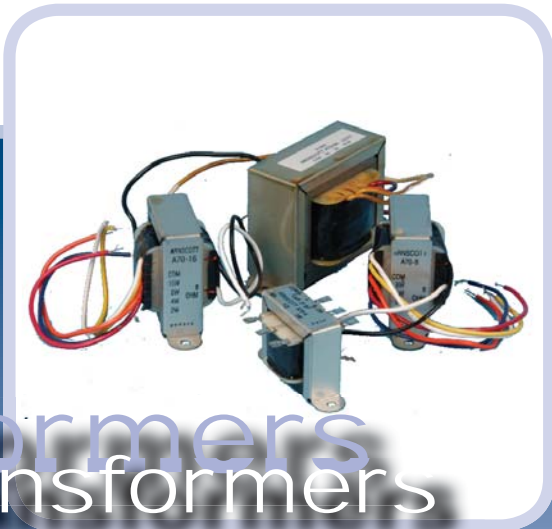




www.arnscott.com



# Audio Transformers

Line matching, and Auto-Former Type Transformers.

## FEATURES

- Line Matching or Auto-Formers Designed For Distributed Audio
- Auto-Formers Convert Your 8-Ohm Amplifier to a 70.7 CV System
- Mid-Grade and High Grade Models to Choose
- Efficiencies up to 0.6 dB. Insertion Loss
- Fairly Flat Frequency Responses Are Standard



<b>POWER:</b>	4 - 64 Watt line matching, up to 600 Watt Autoformers
<b>FREQUENCY RESPONSE:</b>	As wide as 40 - 15kHz., +/- 1dB - See chart below
<b>INPUT:</b>	Audio Transformers, 70.7 and 25 available, Auto-Formers, 4 and 8 Ohm
<b>TRANSFORMER TAPS:</b>	Multiple, see chart below
<b>INSERTION LOSS:</b>	As low as 0.6 dB
<b>CENTER TAP AVAILABLE:</b>	Yes, 25 Volt model for School applications

AEG Manufactures a complete line of both line matching and Auto-Former type Audio Transformers. AEG line matching transformers are available in either 70.7 or 25 Volt models, one combining the two voltages. For the School market, we produce 25 volt models, one with center tap capabilities. AEG also manufactures a complete line of Auto-formers to convert any 4 or 8 Ohm Amplifier into a 70.7 Volt constant voltage type amplifier.



www.arnscott.com

# Transformers

Line Matching And Auto-former Type Transformers, 70.7 And 25 Volt, Center Tap Option

Transformers

## SPECIFICATIONS

Model Number & Max Power	Voltage	Frequency Response	Primary Taps (Watts)	Secondary Impedance (Ohms)	Insert Loss	Primary Wiring	Secondary Wiring	Mount Center(MC), Hole size(HS)& height(H) MC x HS x H (mm)	CoreSize
<b>Professional Series</b>									
A70-4 4 Watt	70.7 V	±1.0dB. 60 - 12kHz.	1/4, 1/2, 1, 2 & 4	8	1.0 dB.	152mm(6") Colour Coded	152mm(6") Colour Coded	60.1 x 4.5 x 41.4	16 x 16mm (5/8" x 5/8")
A70-8 8 Watt	70.7V	±1.0dB. 50 - 15kHz.	1, 2, 4 & 8	8	0.6 dB.	152mm(6") Colour Coded	152mm(6") Colour Coded	60.1 x 4.5 x 58.6	19mm x 19mm (3/4" x 3/4")
A70-16 16 Watt	70.7V	±1.0dB. 50 - 15kHz.	2, 4, 8 & 16	8	0.6 dB.	152mm(6") Colour Coded	152mm(6") Colour Coded	60.1 x 4.5 x 58.6	19mm x 19mm (3/4" x 3/4")
A70-32 32 Watt	70.7V	±1.0dB. 45 - 15kHz.	8, 16 & 32	8	0.6 dB.	152mm(6") Colour Coded	152mm(6") Colour Coded	90.3 x 4.4 x 64.4	25mm x 25mm (1" X 1")
A70-64 64 Watt	70.7V	±1.0dB. 40 - 15kHz.	16, 32 & 64	8	0.6 dB.	152mm(6") Colour Coded	152mm(6") Colour Coded	90.3 x 4.6 x 65.2	38mm x 38mm (1 1/4" x 1 1/4")
<b>Commercial Series</b>									
<b>25 Volt</b>									
A25-4 4 Watt	25 V	±1.0dB. 60 - 12kHz.	1/4, 1/2, 1, 2 & 4(Secondary)	8 (Primary)	1.0 dB.	152mm(6") Colour Coded	152mm(6") Colour Coded	60.1 x 4.5 x 41.4	16 x 16mm (5/8" x 5/8")
A25-5L 4 Watt	25V	±1.5dB. 100 - 10kHz.	1/4, 1/2, 1, 2, 4(Secondary)	Center Tapped (Primary)	1.5 dB.	152mm(6") Colour Coded	76mm(3") Self Leads	60.6 x 4 x 41.4	13mm x 16mm (1/2" x 5/8")
<b>70 Volt, or 70/25 Volt</b>									
A7025-5L 5 Watt	70.7 25 V	±1.5dB. 100 - 10kHz.	0.32, 0.64, 1.25, 2.5, 5	8	1.5 dB.	152mm(6") Colour Coded	76mm(3") Self Leads	52.6 x 4 x 34.5	13mm x 16mm (1/2" x 5/8")
A70-15L 15 Watt	70.7V	±1.5dB. 85 - 16kHz.	1.88, 3.75, 7.5, 15	8	0.6 dB.	152mm(6") Colour Coded	76mm(3") Self Leads		
A70-30L 30 Watt	70.7V	±1.5dB. 85 - 16kHz.	3.75, 7.5, 15, 30	8	0.6 dB.	152mm(6") Colour Coded	76mm(3") Self Leads		
<b>Autofomers (Converts a 4 or 8 Ohm Amplifier to a 70.7 Volt CV System)</b>									
Model Number	Voltage & Primary Impedance	Max. Power Out	Transformer Frequency Response	Description	Insert Loss	Primary and Secondary Termination	Mount Center(MC), Hole size(HS)& height(H) MC x MC x HS x H (mm)	CoreSize	
AF-75	70.7V 4, 8 Ohm	75	±1dB. 35 - 15kHz.	Autoformer	0.3 dB.	6"(152mm) colour coded	83.3 x 56.6 x 5.2 x 79.8	32mm x 32mm 1 1/4 x 1 1/4	
AF-150	70.7V 4, 8 Ohm	150	±1dB. 35 - 15kHz.	Autoformer	0.3dB.	6"(152mm) colour coded	87.5 x 60.6 x 5.2 x 87.4	35mm x 35mm 1 3/8 x 1 3/8	
AF-300	70.7V	300	±1dB. 35 - 15kHz.	Autoformer	0.3dB.	6"(152mm) colour coded	94.9 x 69.6 x 5.2 x 95.4	38mm x 44mm 1 1/2 x 1 3/4"	

## ARCHITECTS AND ENGINEERS SPECIFICATIONS

The audio transformer shall be AEG model (as listed above). All transformers shall be impregnated with high temperature varnish to withstand a 1500V RMS breakdown test. These transformers shall be used wherever distributed sound systems are specified. Arnscott uses the ULC standard for power at the taps, which is based on not more than 110% of power tap selected wattage by design.