

SPECIFICATIONS

Usable Frequency Response, ± 3 dB, 70 V,

5005: 20-20,000 Hz

5015: 20-11,000 Hz

5030: 31-15,000 Hz

5060: 28-20,000 Hz

Usable Frequency Response, ± 3 dB, 25 V,

5005: 20-20,000 Hz

5015: 20-12,000 Hz

5030: 42-12,000 Hz

5060: 35-9,000 Hz

Long-Term Average Power Capacity,

5005: 5 watts

5015: 15 watts

5030: 30 watts

5060: 60 watts

Primary Impedances and Power Tap
Information:

See Figures 1 and 2

Mounting Hole Centers,

5005: 6.1 cm (2.4 in.)

5015: 5.1 cm (2.0 in.)

5030: 7.1 cm (2.8 in.)

5060: 7.9 cm (3.1 in.)

Dimensions,

Height,

5005: 4.3 cm (1.7 in.)

5015: 4.9 cm (1.9 in.)

5030: 4.8 cm (1.87 in.)

5060: 5.6 cm (2.2 in.)

Width,

5005: 5.1 cm (2.0 in.)

5015: 6.0 cm (2.4 in.)

5030: 7.3 cm (2.9 in.)

5060: 7.9 cm (3.1 in.)

Depth,

5005: 3.9 cm (1.54 in.)

5015: 4.8 cm (1.9 in.)

5030: 5.1 cm (2.0 in.)

5060: 6.0 cm (2.4 in.)

Net Weight,

5005: 0.27 kg (0.6 lb)

5015: 0.7 kg (1.5 lb)

5030: 0.9 kg (2.0 lb)

5060: 1.1 kg (2.5 lb)

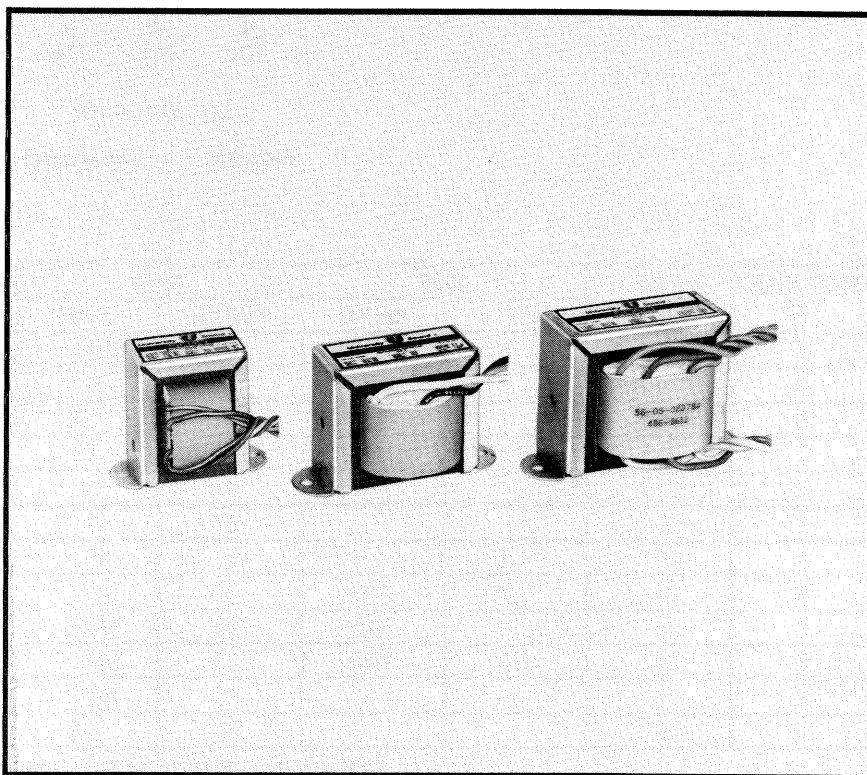
Shipping Weight,

5005: 0.3 kg (0.7 lb)

5015: 1.1 kg (2.4 lb)

5030: 1.4 kg (3.0 lb)

5060: 1.7 kg (3.7 lb)



5005/5015 5030/5060

Line Matching Transformers

DESCRIPTION

The University Sound 5000 series of line transformers are specially designed to match the variety of amplifier and speaker impedance encountered in many systems.

In an installation where speakers and the amplifier are some distance apart, the 5000 series transformers provide either a high-impedance line, or a 25 V/70 V constant-voltage line; both useful for maintaining higher efficiency and keeping power loss to a minimum.

These transformers are capable of handling an extended frequency response such as encountered with high-fidelity public address speakers.

Highest-grade audio "A" annealed or oriented cores are used. Insulation and windings are completely varnished and vacuum impregnated.

Power ratings of the 5005, 5015, 5030 and 5060 are 5, 15, 30 and 60 watts respectively. The 5015 and 5030 transformers will fit the model CTR weather-proof housing.

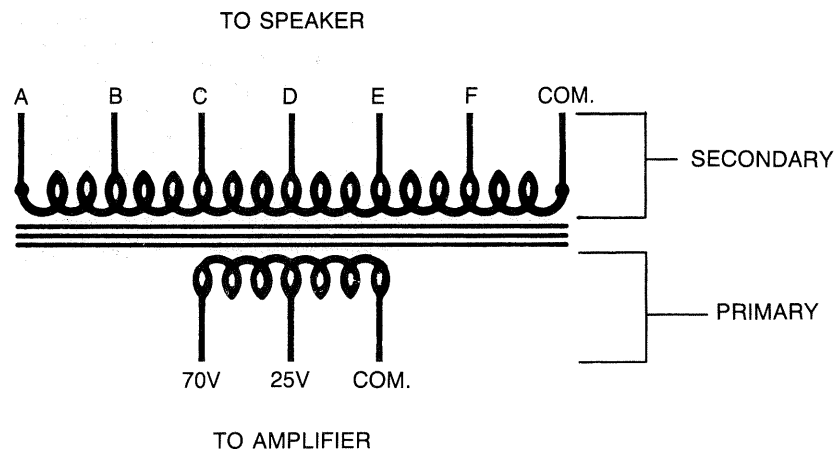


FIGURE 1 — Schematic

SECONDARY TAP	LINE VOLTAGE	5005		5015		5030		5060	
		WATTS	OHMS	WATTS	OHMS	WATTS	OHMS	WATTS	OHMS
A	70.7	5	1 k	15	333	30	167	60	83
B	70.7	2	2.5 k	7.5	670	15	335	30	167
C	70.7	1	5 k	3.8	1.3 k	10	500	15	333
D	70.7	0.5	10 k	1.9	2.6 k	5	1 k	7.5	667
E	70.7	—	—	1.0	5 k	2.5	2 k	3.75	1.3 k
F	70.7	—	—	0.5	10 k	1.25	4 k	1.88	2.7 k
A	25	5	125	15	42	30	21	60	10
B	25	2	313	7.5	84	15	42	30	21
C	25	1	625	3.8	170	10	63	15	42
D	25	0.5	1250	1.9	340	5	125	7.5	83
E	25	—	—	1.0	680	2.5	250	3.75	167
F	25	—	—	0.5	1.3 k	1.25	500	1.88	332

FIGURE 2 — Rating of Secondary Taps

WARRANTY (Limited) — University Sound Accessories are guaranteed for one year from date of original purchase against malfunction due to defects in workmanship and materials. If such malfunction occurs, unit will be repaired or replaced (at our option) without charge for materials or labor if delivered prepaid to University Sound. Unit will be returned prepaid. Warranty does not extend to finish, appearance items or malfunction due to abuse or operation under other than specified conditions, nor does it

extend to incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you. Repair by other than University Sound will void this guarantee. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

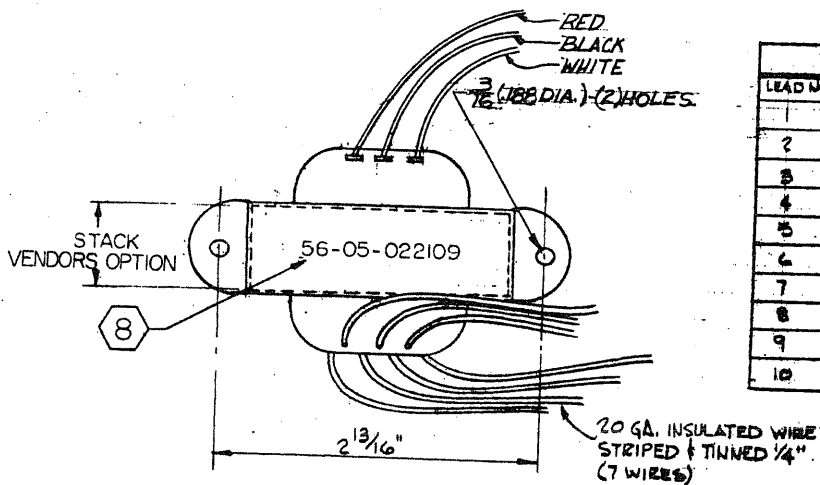
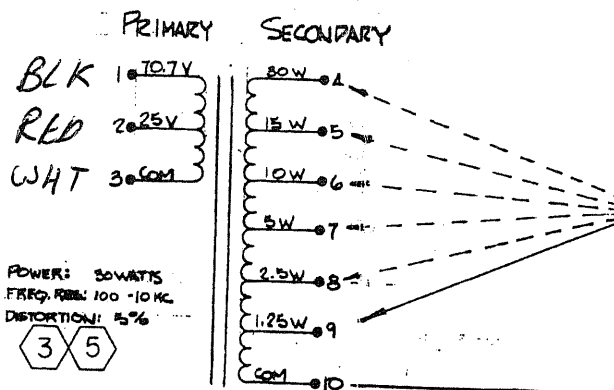
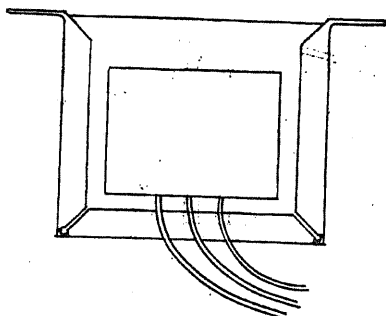
Service and repair information for this product: University Sound, Inc., Phone 818/362-9516, FAX 818/367-5292.

Applications and technical information for University Sound products:
University Sound, Inc., Technical Coordinator, Phone 818/362-9516, FAX 818/367-5292.

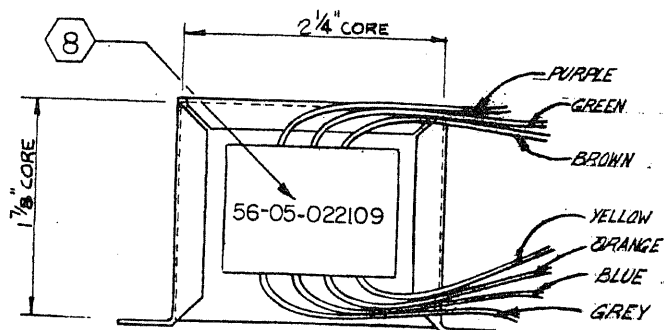
Specifications subject to change without notice.

NOTES:

- 1 SECONDARY LOADING IMPEDANCE: 8 OHMS
- 2 CORE STACK: 3/4" X 1 7/8" X 2 1/4"
- 3 FREQUENCY RESPONSE: 100 - 10,000 HZ. ± 3 db. NO D.C. APPLIED.
- 4 IMPEDANCE SHALL BE HELD WITHIN 10%.
- 5 POWER HANDLING CAPACITY: 30 WATTS AT 400 CPS WITH NOT OVER 5% DISTORTION WHEN SECONDARY LOADED WITH 8 OHMS AND DRAWING RATED POWER.
- 6 BREAKDOWN TEST: 1000 V.A.C. R.M.S.
- 7 INSERTION LOSS: 1db. MAX. AT 1,000 HZ.
- 8 PART NO. PLACEMENT - VENDORS OPTION



LEAD TABLE		
LEAD NO.	COLOR	LENGTH
1	BLACK	6 INCH
2	RED	"
3	WHITE	"
4	PURPLE	"
5	BLUE	"
6	GREEN	"
7	ORANGE	"
8	BROWN	"
9	YELLOW	"
10	GREY	6 INCH



SECONDARY		
INPUT	IMP FOR 25V LINE	IMP FOR 100V LINE
1.25W	500Ω	4KΩ
2.5W	250Ω	2KΩ
5W	125Ω	1KΩ
10W	63Ω	500Ω
15W	42Ω	385Ω
30W	21Ω	167Ω