

3 August 1967

Cog Service: USN FSN:

AMPLIFIER, AUDIO FREQUENCY AM-4453/U

Functional Class:

USA

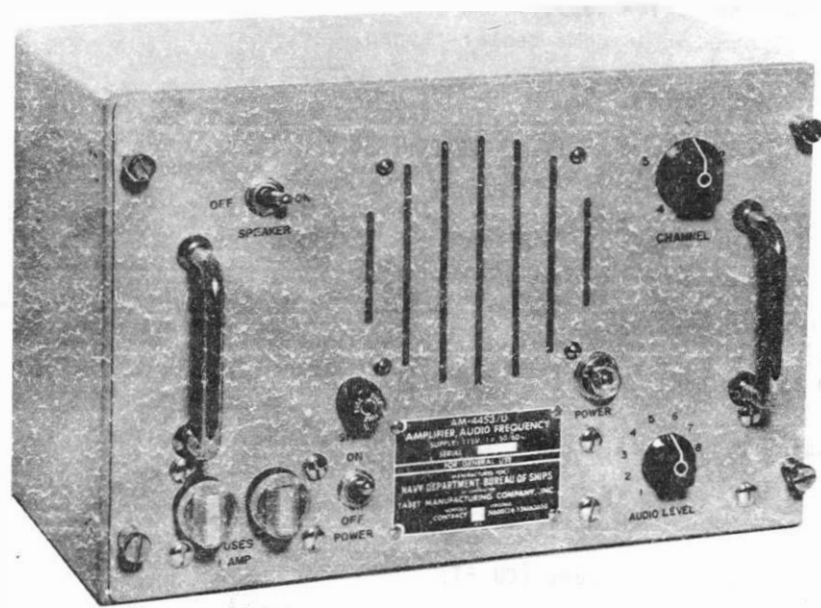
USN

USAF

TYPE CLASS:

Used by

MANUFACTURER'S NAME/CODE NUMBER: Tabet Manufacturing Co., Inc., (88829).



AMPLIFIER, AUDIO FREQUENCY AM-4453/U

FUNCTIONAL DESCRIPTION:

Amplifier, Audio Frequency, AM-4453/U is designed for general communication work on ship-board or/and base installations in conjunction with electronic receiving equipment and associated loudspeaker units. Unit eliminates the use of vacuum tubes and cast aluminum housing and provides a two-stage semi-conductor amplifier with push-pull output in a fabricated welded aluminum cabinet. Five audio input signal channels may be applied, any one of which can be selected by means of the five position channel switch located on the front panel. This switch is a removable wafer, printed circuit type having all contacts, rotor section, and load resistors mounted on the removable wafer card. The load resistors provide a 600 ohm load to all channels not in use. Electrical component card is the plug-in type and is removable as a unit. Transistors and directly associated components are mounted on a printed wiring card of the plug-in type which is removable as a unit to facilitate inspection and maintenance.

1.2 AM-4453/U: 1

AMPLIFIER, AUDIO FREQUENCY AM-4453/U

No field changes in effect at time of preparation (Nov.8, 1966).

RELATION TO OTHER EQUIPMENT:

The AM-4453/U is functionally interchangeable with AM-2158/U and AM-215D/U and can replace either of these units.

EQUIPMENT REQUIRED BUT NOT SUPPLIED: None.

TECHNICAL CHARACTERISTICS:

POWER REQUIREMENTS: 110/115/125 v 50/60 cyc, 0.22 amp, 25 W.

POWER OUTPUT: 10 W.

POWER INPUT: 2 W max, 0.001 min, for full power output.

INPUT IMPEDANCE: 600 ohms center-tapped.

OUTPUT IMPEDANCE: 600 ohms or 16 ohms center-tapped.

FREQUENCY RANGE: 200 to 4000 cps ± 3 db.

MAJOR COMPONENTS

QTY	ITEM	DIMENSIONS (INCHES)	WEIGHT (LBS)
1	Amplifier, Audio Frequency, AM-4453/U	7-15/16 x 8-1/4 x 12-1/4	22.50

REFERENCE DATA AND LITERATURE:

NAVSHIPS 0965-008-4000: Technical Manual for Audio Frequency Amplifier.

SHIPPING DATA

PKGS	VOLUME (CU FT)	WEIGHT (LBS)
1	0.71	24

PROCUREMENT DATA

PROCURING SERVICE: USN

DESIGN COG: USN, NavShips

SPEC &/OR DWG:

CONTRACTOR	LOCATION	CONTRACT OR ORDER NO.	APPROX. UNIT COST
Tabet Manufacturing Co., Inc.	Norfolk, Va.	N600(24-126)63650	