



7 watt all-transistor amplifier

(AC or Battery operated)

Smartly Styled Model PA746

This amplifier is a 240 volt AC unit or a portable battery powered unit for speech and music amplification. 12 volt DC operation makes the amplifier highly suitable for all types of mobile address work. The unit also operates from a 6 volt DC supply with a corresponding reduction in audio output. The attractive case is in sturdy black armorette with polished chrome trim.

Input and output facilities

Input and output facilities are as follows: 1. Crystal Microphone input, .4 megohms. 2. Dynamic Microphone input, low impedance. 3. Pick-up input, .5 megohms. 4. Output taps are provided at impedances of 600 ohms, 200 ohms and 100 ohms.

Amplifier performance

1. Sensitivity: On pick-up approximately .5V for full output. On microphone approximately 2mV for full output.
2. Frequency Response: With tone control at normal, response is substantially level from 50 cycles to 10 Kc.
3. Harmonic Content: Less than 5% at full output.

4. Noise Level: Pick-up input better than -60db below full output. Microphone input better than -30db below full output.

5. Tone Control: Operative on pick-up channel only. Gives a smooth cut to top frequencies with a full cut of -22db at 10 Kc in maximum clockwise position.

6. Power Consumption: 12 volt operation — approximately 1.35 amps. at full load condition, quiescent current 150 MA. 6 volt operation—1.2 amps. at full load condition, quiescent current 200 MA.

Specifications

CONNECTIONS

Mains connection by plug-in power cable. Battery connection by plug-in battery cable. 6V or 12V battery selection by screwdriver switch at rear.

TRANSISTORS

Microphone Preamps.	2N217	(2)
Main Amplifiers	2N217	(2)
Push-pull Drivers	2N270	(2)
Push-pull Output	2N301	(2)
B- supply Diode Rectifiers	1N1199A	(2)

DIMENSIONS

Width	5 $\frac{3}{4}$ "
Height	7 $\frac{1}{2}$ "
Length	13 $\frac{1}{4}$ "
Wt.	19 lbs.

Manufactured and guaranteed by

AMALGAMATED WIRELESS (AUSTRALASIA) LIMITED

Australia's National Wireless Organisation