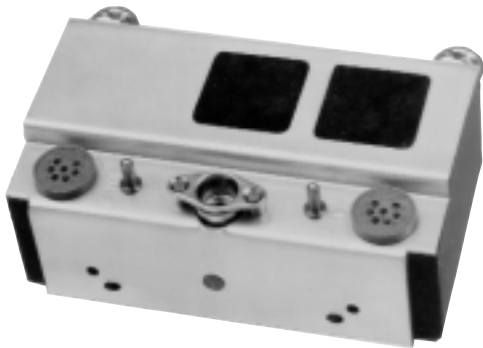


**Amplifier, Audio Frequency  
Model AM-476C/AIC-10 (Andrea PN A61-14A)**



**Model AM-476C/AIC-10**

**THIS UNIT IS USED ON THE  
FOLLOWING AIRCRAFT:**

- KC-135
- B-52

**GENERAL CHARACTERISTICS**

PERFORMANCE

Andrea A61-14A.....	Specification MIL-A-9286C
Environmental.....	MIL-E-5400, Class 2
Mean Time Between Failure..	7500 hrs.
Size.....	4 3/8" W x 3" D x 1 29/64" H
Weight.....	0.8 lbs.
Input Voltage.....	27.5 VDC
Input Power.....	2.0 W
EMI.....	MIL-I-6181
Frequency Range.....	300 to 6000 Hz

MICROPHONE AMPLIFIER

Input Source Impedance.....	5 ohms
Output Load Impedance.....	150 ohms
Gain @ 1 KHz.....	68 dB 55 dB
Input Level Range.....	-75 to 30 dBm
Output Volts.....	2.0 V @ -30 dBm input

AGC CHARACTERISTICS

Breakpoint.....	-63 dBm +/-3 dBm
Slope.....	4 dB/10 dB output-input ratio
Attack Time.....	0.2-second maximum
Release Time.....	4.5 to 9.5 second
Distortion.....	5% maximum for -50 dBm input
Signal to Noise with 1.5 ripple on 27.5 V line.....	50 dB

HEADSET AMPLIFIER

Input Source Impedance.....	150 ohms
Output Load Impedance.....	150 ohms
Gain @ 1 KHz.....	72 dB
Power Output.....	280 mW
Distortion.....	6% maximum @ 4.0 V output

**DESCRIPTION AND USE**

The A61-14A Amplifier is fully transistorized, encapsulated, plug-in module, designed to operate as a dual Microphone and Headset Amplifier when integrated with appropriate external switching in communication systems, such as the AN/AIC-10.

There are no controls or adjustments on this amplifier.

C46-5387 Rev B