

**Interior Voice Communication Unit
Model A301-14A**



Model A301-14A

CURRENT OR PAST USE ON:

- Landing Craft Air Cushion (LCAC)

GENERAL CHARACTERISTICS

Mean Time Between Failures.....	50,000 hrs. per MIL-HDBK-217C
Input Voltage.....	27.5 VDC Nominal MIL-STD-704
Weight.....	4 LBS. Max.
Size.....	31 31/32" W x 4 51/64" H x 4 5/8" D

ENVIRONMENTAL.....	Class I MIL E-5400
Temperature	
Continuous Operation.....	-54° C to +55° C
Intermittent Operation.....	+55° C to +71° C
EMI.....	MIL-STD-461

IMPEDANCE LEVELS	
Microphone Input.....	150 ohms (Dynamic Mic)
INT LINE.....	150 ohms
Headset.....	9.5 ohms

POWER LEVELS	
Microphone Input.....	-80 to -30 dBm
INT LINE.....	50 mW (2.75 V)
Headset Output.....	200 mW (1.25 V) Nominal, adjustable to 350 mW

MICROPHONE AMP PERFORMANCE	
AGC.....	The AGC maintains constant output for wide variations in input.
Frequency Response.....	+1 dB, -3 dB, 300 to 6000 Hz
Distortion.....	3% Max. for -50 dBm input

HEADSET AMP PERFORMANCE	
Frequency Response.....	+1 dB, -3 dB, 300 to 6000 Hz
Distortion.....	10% Max. @ nominal output

DESCRIPTION AND USE

The Andrea Model A301-14A is a bulkhead mounted intercommunication station utilizing the same high performance amplifiers as the Model A301-12-1. It was designed for and is being used in the U.S. Navy Air Cushion Landing Craft.

The A301-14A is a rugged, high reliability unit that can be used in many applications requiring an intercom station.

The only operating control on the A301-14A is a Volume Control on the front panel.

C46-5374 Rev B