### ANDREA SYSTEMS LLC

## Product Specification

# Interphone Microphone Amplifier Model A642



Model A642

#### **GENERAL CHARACTERISTICS**

Protected against 600 V

spike and transient requirements

of MIL-STD-704A

Size...... 2 1/2" W x 1 3/4" H x 1 3/8" D

over terminals

Weight...... 5 oz. Maximum

ENVIRONMENTAL..... MIL-E-5400 Class 1

Temperature

Continuous Operation...... -54° C to +55° C Intermittent Operation...... +55° C to -71° C

#### PERFORMANCE

Gain...... Adjustable from 20.5 dB to 33.5 dB

Input Impedance...... 100 ohms

 Output Impedance.......
 830 to 10,000 ohms

 Frequency Response........
 +/-2 dB 400 to 6000 Hz

 Distortion...........
 5% maximum @ 10V output

#### **DESCRIPTION AND USE**

The A642 is a miniature, encapsulated, solid-state microphone amplifier for use in interphone or other voice audio systems. It is a highly reliable and rugged unit with great flexibility. The amplifier provides bias current for a carbon microphone, has adjustable gain, and will operate satisfactorily with a wide variation in output load.

C46-5393 Rev B