

**Audio Amplifier Module
Model C2645/AIC-14 (PN A644)**



Model C2645/AIC-14

GENERAL CHARACTERISTICS

Input Power.....	28 VDC per MIL-STD-704A protected against 600 V spikes and transients
Size.....	2.312" L x 1.093" H x 2.187" W over connector
Weight.....	5 oz. Maximum
Connector.....	DE-9P
ENVIRONMENTAL.....	MIL-E-5400 Class 2
Temperature	
Continuous Operation.....	-54° C to +71° C
Intermittent Operation.....	+71° C to +95° C
EMI.....	MIL+6181

PERFORMANCE

Frequency Response.....	+/-2 dB 300 to 6000 Hz
Input Impedance (each input).....	1200 ohms
Isolation between inputs.....	20 dB minimum
Output Impedance.....	270 to 110 ohms
Power Output.....	300 milliwatts
Voltage Gain.....	44 +/-1 dB
Distortion.....	5% maximum
Internal Noise.....	5 mW maximum

Shielded against magnetic fields
Stable and protected against open or short circuits

DESCRIPTION AND USE

The A644 is a dual input audio amplifier for use in intercommunication systems. It is a miniature, encapsulated, solid stat unit of high reliability and superior design. It is a rugged unit with excellent environmental characteristics. It is intended for use in any audio system where mixing, isolation, and amplification of two signals are required.

C46-5388 Rev B