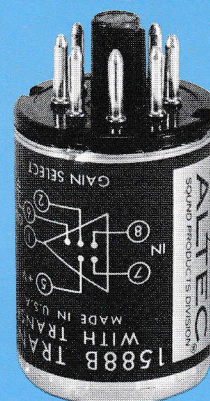




1579C EQUALIZED PREAMPLIFIER 1588B MICROPHONE PREAMPLIFIER



1579C



1588B

DESCRIPTION

The 1579C and 1588B preamplifiers feature low noise characteristics, high sensitivity and power output, and are easily mounted in any standard octal socket.

The ALTEC 1579C Equalized Preamplifier is a sealed plug-in solid-state module equalized to meet the RIAA standard for use with a high-quality magnetic phono pickup. It provides 5 mV sensitivity for 70 mV output at 1 kHz. Input impedance is 47,000 ohms and load impedance is 600 ohms. The entire preamplifier unit is encased in mu-metal to provide protection from stray magnetic fields. Operating power can range from +12V dc at 10 mA to +20V dc at 18 mA. The 1579C will deliver +14 dBm to a 600-ohm load when operated with +20V dc at 18 mA. At normal operating levels, typically less than 0.5% total harmonic distortion (THD) is maintained over all frequencies.

The ALTEC 1588B Microphone Preamplifier is a sealed, plug-in solid-state module with a

transformer-isolated input and low noise characteristics. The built-in transformer provides a balanced and isolated input for maximum protection from RF and other stray fields normally induced on low-level microphone lines. The entire unit is encased in mu-metal to provide effective protection from stray magnetic fields, with magnetic shielding of 90 dB for the input transformer. The equivalent input noise level is equal to or better than -124 dBm. Variable gain may be obtained by a choice of resistances between pins 2 and 6. Frequency response is ± 1 dB from 30 to 20,000 Hz. Source impedance is 150/250 ohms and load impedance is 600 ohms. Operating power can range from +12V dc at 13 mA to +20V dc at 20 mA. The 1588B will deliver +9 dBm to a 600-ohm load when operated at +12V dc at 13 mA, and will deliver +14 dBm to a 600-ohm load when operated at +20V dc at 20 mA. At normal operating levels, less than 1% THD is maintained over all frequencies.