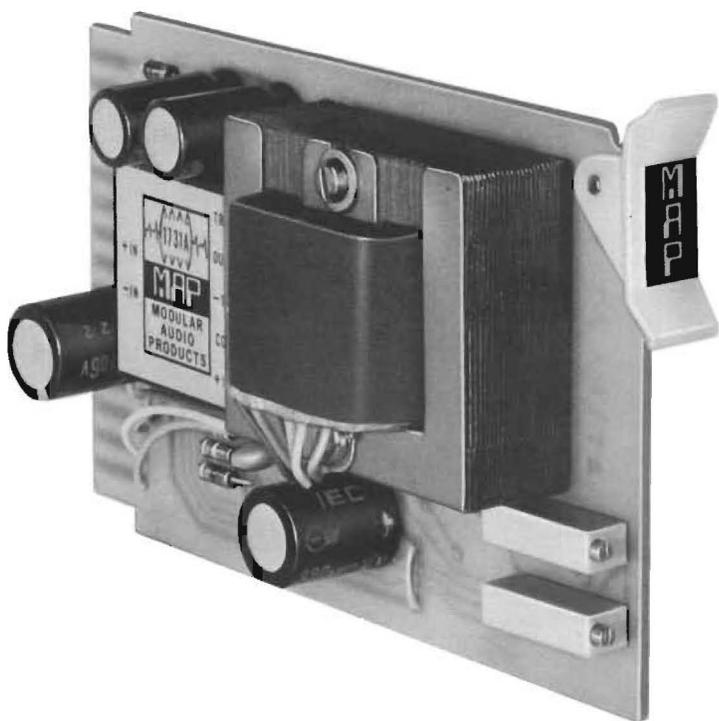


AT-27 and AP-27 TAPE/PHONO AMPLIFIERS

\$ 125.00 EACH CARD

- \$ 75.00 FOR POWER SUPPLY



FEATURES

- NAB tape reproduce equalization adjustable for 3¾, 7½, 15 or 30 ips (AT-27)
- RIAA phono reproduce equalization (AP-27)
- Low Frequency (AT-27 only), High Frequency and Gain adjustment controls with remote operation capability
- Low Noise
- Low Distortion (TYP - .05%)
- High Output Level, +27dBm
- Reverse Polarity & Overload Protected
- Uses the MAP 1731A Audio Operational Amplifier

GENERAL

The Models AT-27 and AP-27 are special purpose low noise equalized preamplifiers designed to be used with conventional magnetic tape heads or phono cartridges.

The AT-27 provides the standard NAB tape reproduce head equalization for tape machine speeds of 3¾, 7½, 15 and 30 ips by proper adjustment of its low frequency and high frequency trimmer controls. Also provided is an adjustable gain trimmer control to set the desired operating level. All the trimmer controls have an extended range capability to make up for losses due to reproduce head wear and mis-alignment.

The AP-27 provides the standard RIAA phono reproduce equalization. High frequency

equalization and gain adjustment trimmers are provided to make up for losses due to stylus wear and to set the desired operating level.

The equalization and gain control circuitry of both the AT-27 and the AP-27 appear at the connector and may be strapped for local or remote control of these functions. This allows for, as in the case of the AT-27, remote controlling of the tape speed equalization by means of an external switching device and individual controls for each speed desired.

The MAP 1731A Audio Operational Amplifier is utilized as the active element in AT-27 and AP-27 and provides the circuitry with an equivalent input noise of -125dBm, low distortion, short circuit protection and high reliability.



MODULAR
AUDIO PRODUCTS, Inc.
■ A UNIT OF MODULAR DEVICES, INC.

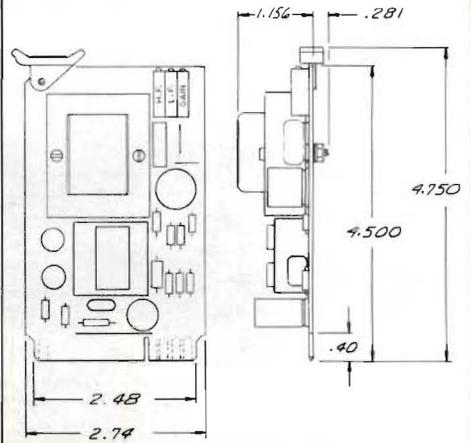
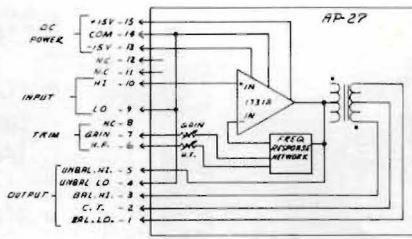
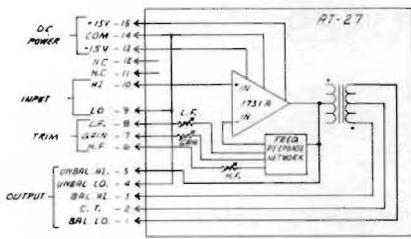
1385 Lakeland Ave. ■ Airport International Plaza ■ Bohemia, New York 11716 ■ 516-567-9620

AT-27 and AP-27 TAPE/PHONO AMPLIFIERS

AT-27

AP-27

MECHANICAL

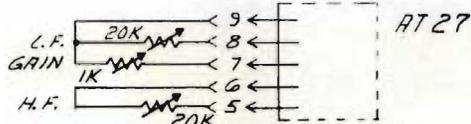


SPECIFICATIONS		AT-27	AP-27
Input Impedance		330K Ohms	51K Ohms
Source Impedance		800mH, Max.	500mH, Max.
Output Impedance		60 Ohms, Max.	
Output Load Impedance		600 Ohms, Min	
Rated Power Output		+27dBm	
Gain		36dB Min @ 500 Hz	36dB Min @ 1KHz
Gain Trim Range		36dB to 56dB	
Frequency Response		NAB Equalization ±1.0dB, Max. @ 3%, 7½, 15 or 30 ips	RIAA Equalization ±1.0dB, Max.
Low Frequency Trim Range, 50Hz		8dB	None
High Frequency Trim Range, 10KHz		18dB	6dB
Output Noise at 50dB Gain		-75dBm, Max.	
Distortion, at Rated Output or Below, Max. Gain, 30Hz to 20KHz		0.3%, Max. 0.05%, Typical	
Short Circuit Duration & Reversed Power Supply Protection		Infinite	
Power Supply Requirements	DC Voltage	±15 Volts to ±20 Volts	
	Quiescent Current	15mA, Max.	
	Full Load Current	40mA, Typical	
Size, PC Card		4 1/2" x 2 3/4" x 1 7/16"	
Connector, Supplied		30 Pin Mating Connector Cinch Tones 50-30A-30 or Equiv.	

INSTALLATION

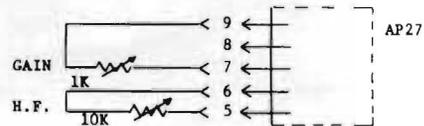
AT-27 TRIM CONNECTIONS

- 1 - For Normal Operation:
Jumper: Pin 7, 8 & 9 together, Pin 6 & 5 together
- 2 - For Remote Operation:
A - Set Internal Controls: H.F. & Gain Trims fully C.C.W.
L.F. - fully C.W.
- B - Add External Controls:



AP-27 TRIM CONNECTIONS

- 1 - For Normal Operation:
Jumper: Pin 7 & 9 together, Pin 6 & 5 together
- 2 - For Remote Operation:
A - Set Internal Controls: H.F. & Gain Trims fully C.C.W.
- B - Add External Controls:



MODULAR AUDIO PRODUCTS, Inc.

■ A UNIT OF MODULAR DEVICES, INC. ■

1385 Lakeland Ave. ■ Airport International Plaza ■ Bohemia, New York 11716 ■ 516-567-9620