## Another innovation from ADM®

# **THE 1540** FOUR BAND EQUALIZER

The ADM 1540 Equalizer module is a unique 4 band, 14 frequency, reciprocal equalizer. ADM has placed special emphasis on the all-important 'presence' frequencies in the mid-audio spectrum. The mid-audio is divided into two bands: the mid-low (200, 350, 560 and 900 Hz) and the midhigh (1.5, 2.5, 4.3 and 7.2 KHz). These frequencies, together with the bandwidth, were selected by exhaustive listening tests to assure maximum control and effect over both voice and music in the midband presence range. The low frequency (40, 80 and 160 Hz) and high frequency (10, 12.5 and 15

KHz) sections of the 1540 are shelving and exhibit the necessary smoothness required at the upper and lower ends of the audio spectrum. All 4 bands have 12 dB of symmetrical boost or cut in steps of 2, 4, 6, 9 and 12 dB. The Equalizer IN/OUT function is activated with a pushbutton. The associated LED indicator gives a visual display of the IN/OUT status of the module. All switching functions are noiseless. The input and output of the 1540 Equalizer module are transformer coupled (floating) and will accept levels up to +24 dBv.

#### TECHNICAL DATA

Input Impedance: ..... 10 Kilohms floating

Maximum Input Level: . +24 dBv

Load Impedance: ..... 600 ohm floating output

Maximum Output Level: +24 dBv

Distortion: <.1% at 1KHz

<.15% from 100Hz - 20KHz

<.3% from 30Hz - 100Hz

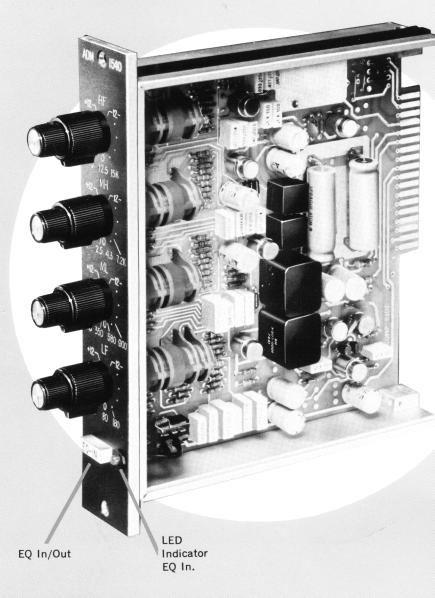
Frequency Response: Flat ±.5 dB controls flat

Noise: < -88 dBv absolute over 20Hz - 20KHz bandwidth

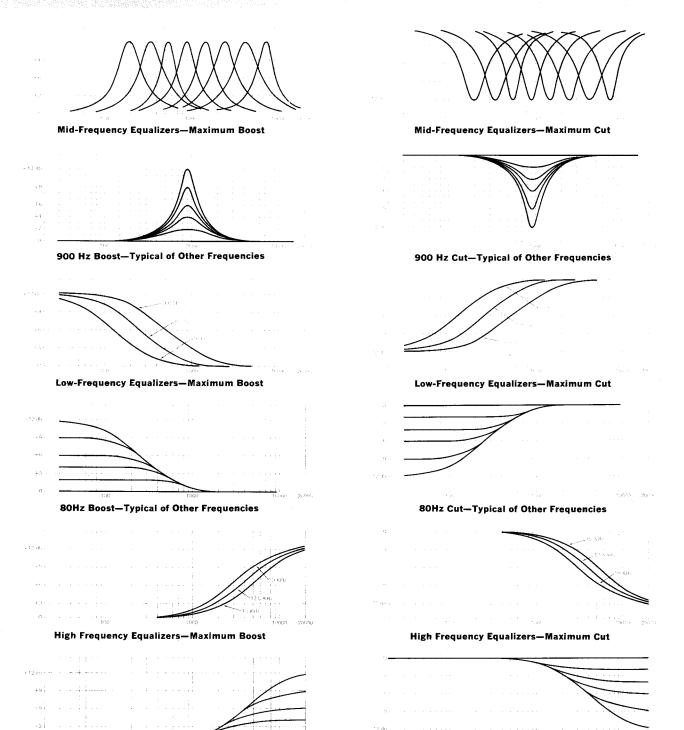
Power Requirements: Audio ±20V DC 100 Ma Logic +20-24V DC 30 Ma

#### **DIMENSIONS**

Height: 7.75 inches (196.9mm) Width: ..... 1.50 inches (38.1mm) Depth: 6.50 inches (165.1mm)



### **ADM MODEL 1540 EQUALIZER CHARACTERISTICS**



H.F. EQUALIZER FREQUENCIES: 10, 12.5, 15KHz  $\pm 2$ , 4, 6, 9, 12 db L.M.F. EQUALIZER FREQUENCIES: 200, 350, 560, 900 Hz  $\pm 2$ , 4, 6, 9, 12 db H.M.F. EQUALIZER FREQUENCIES: 1.5, 2.5, 4.3, 7.2 KHz  $\pm 2$ , 4, 6, 9, 12 db L.F. EQUALIZER FREQUENCIES: 40, 80, 160Hz  $\pm 2$ , 4, 6, 9, 12db



12.5 KHz Boost—Typical of Other Frequencies

12.5 KHz Cut—Typical of Other Frequencies

16005 Sturgeon, Roseville, Michigan 48066 Phone: (313) 778-8400 • TLX-23-1114