

Product Spec Sheet from Rentex

Extron DA6 RGBHV

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Rentex Product No. XVD0400



Mfr Part No. 60-490-01

The Extron DA6 RGBHV is a six output, rack-mountable, analog distribution amplifier. It accepts and distributes RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, and composite video on female BNC connectors. In addition, the DA6 RGBHV provides DIP switches for adjusting RGB gain and peaking, as well as for selecting AC or DC coupling. A 9-pin contact closure connector allows for output muting controls when used with a control system.

Features

- Video Bandwidth: 350MHz
- Selectable gain and peaking
- Input: One set of female BNC connectors
- Output: Six sets of female BNC connectors

Detailed Specifications

Video:

Number/Signal Type Unity (0 dB) or 1.1 dB (110%), switch-selectable.

Bandwidth 350 MHz (-3 dB), fully loaded

Differential Phase Error <1.0° at 5 MHz

Differential Gain Error <1.0% at 5 MHz

DC Offset ±.5 mV with input at 0 offset

Video Input:

Number/Signal Type 1 RGBHV, RGBS, RGsB, RsGsBs, HDTV component video, S-video, composite video

Connectors 5 female BNC

Nominal Level 1.0 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB, for R-Y and B-Y of component video, 0.3 Vp-p for C of S-video

Min|Max Levels Analog: 0.3 V to 1.5 Vp-p with no offset at unity gain

Impedance 75 ohms

Return Loss <-38 dB @ 5 MHz

Vertical Frequency 15 Hz to 170 Hz

Horizontal Frequency 15 kHz to 180 kHz

Input Coupling AC/DC, switch-selectable

DC Offset (Max) 5.0 V (in AC coupling mode)

Video Output:

Number/Signal Type 2, 4, or 6 RGBHV, RGBS, RGsB, RsGsBs, HDTV component video, S-video, composite video (follows input type)

Connectors (2, 4, or 6) x 5 female BNC

Nominal Level 1.0 Vp-p for Y of component video and S-video, and for composite video, 0.7 p-p for RGB, for R-Y and B-Y of component video, 0.3 Vp-p for C of S-video

Min|Max Levels 0.3 Vp-p to 1.5 Vp-p (follows input)

Impedance 75 ohms

Return Loss <-44 dB @ 5 MHz

DC Offset ±5 mV with input at 0 offset

Sync:

Input/Output Type RGBHV, RGBS, RGsB, RsGsBs, bi-level and tri-level sync

Output Type RGBHV, RGBS, RGsB, RsGsBs

Input Level Analog or TTL: 0.5 V to 5 Vp-p

Output Level TTL: 5 Vp-p, unterminated

Input Impedance 510 ohms

Output Impedance 75 ohms

Max Propagation Delay 35 ns

Max Rise/Fall Time 4 ns

Polarity Positive or negative (follows input)

Dimensions 1.75" H x 17.5" W x 8.5" D

Weight 3.9 lbs