

CDA-4 and CDA-6

375 MHz

Computer Distribution Amplifiers

FSR
Video Products Group

CDA-4/6



The all new CDA-4 and -6 are ultra high resolution, ultra high bandwidth 1 x 4 and 1 x 6 computer distribution amplifiers suitable for applications requiring the highest possible video quality.

The output channels on each unit have cable equalization permitting long cable runs while maintaining excellent signal integrity for even the highest video resolutions.

This means that the signal you feed into the CDA-4 or CDA-6 will arrive at the far end of the cable with an almost immeasurable amount of loss and no distortion due to peaking effects.

Not only do these two units have over 375 MHz of bandwidth but they also have the FSR computer compatible synchronizing circuitry to ensure a rock stable video image at any resolution and signal level. Also channel-channel matching (red vs green/red vs blue) response is extremely flat.

The CDA-4/6 ships with a power supply, and a full width rack mount kit.

FEATURES

- Minimum 350 MHz of bandwidth fully loaded
- +/- 0.5 dB flatness to 270 MHz
- Advanced synchronizing circuitry
- Connectors for the input and each output
- Full cable equalization control for the output channels
- Compatible with all computer standards

APPLICATIONS

- Boardrooms
- Houses of Worship
- Control Rooms
- Classrooms
- Staging and Rental

SPECIFICATIONS

Video Input

Number/Type:	1 RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, HD - 15 female connector
Impedance:	75 Ohms
Output Offset:	+/-20 mv
Level (nominal):	Analog 0.7V p-p
Level (maximum):	2V p-p

Equalized Video Output

Number/Type:	4 or 6 RGBHV, RGBS, RGsB, RsGsBs, component video, S-video
Connectors:	4 or 6 HD - 15 female connectors
Bandwidth:	Supports up to QXGA (2048 x 1536 @ 60Hz) This performance data is based on the CDA-4/6 plus the specified length of WP8255 (West Penn) cable. 150' cable 162 MHz (-3 dB) 0-143 MHz 0.5 dB flatness with a full amplitude (0.7V p-p) signal applied. 150' cable 305 MHz (-3dB) 0-256 MHz 0.5dB flatness with a small amplitude (0.2V p-p) signal applied.
Level (nominal):	Unity
Impedance:	75 ohms
Design Cable:	West Penn WP8255 or equal

(continued on back)

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LIT 1062

SPECIFICATIONS (cont'd)

Video Output

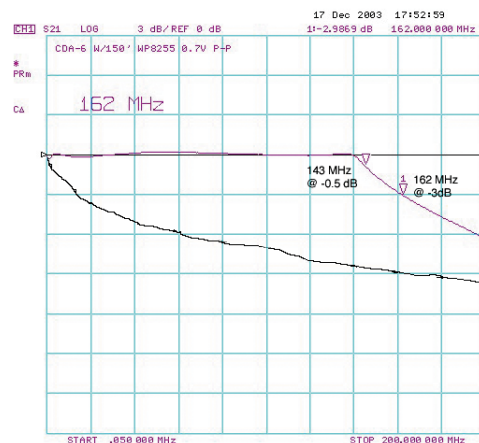
Number/type:	4 (CDA-4), 6 (CDA-6), RGBHV, RGBS, RGsB, RsGsBs, component video, S-video
Connectors:	All female HD - 15
Bandwidth:	375 MHz @ -3 dB (typical) fully loaded with a 0.7V p-p input signal
Flatness:	0.5 dB to 297 MHz (typical) fully loaded with a 0.7V p-p input signal
Gain:	Unity (buffered)
Impedance:	75 Ohms

Sync

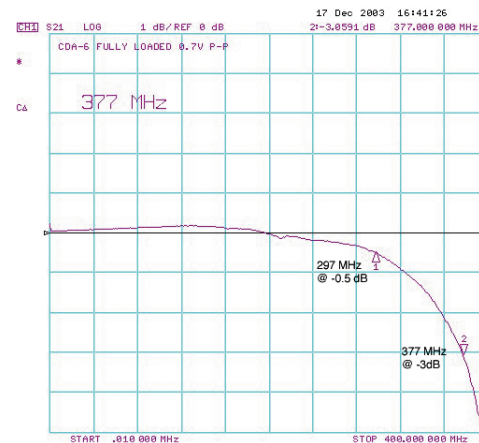
Input level:	TPL 2.0V minimum
Output level:	5.0 Vp-p into Hi-Z, 2.4 Vp-p into 75 ohm
Delay Time:	8nS
Rise & Fall Time:	2.5nS
Input Impedance:	475 ohms
Output impedance:	75 ohms
Polarity:	Positive or negative
Horizontal frequency:	15 kHz - 200 kHz
Vertical frequency:	50 Hz - 150 Hz

General

Power:	120VAC, 50/60 Hz, 9 watts, wall plug-in with locking connector
Enclosure:	Metal, 8.5"W x 4.75"D x 1.62"H (1/2 rack unit) Weight, 1.6 lbs. Rack mounting kit is supplied.

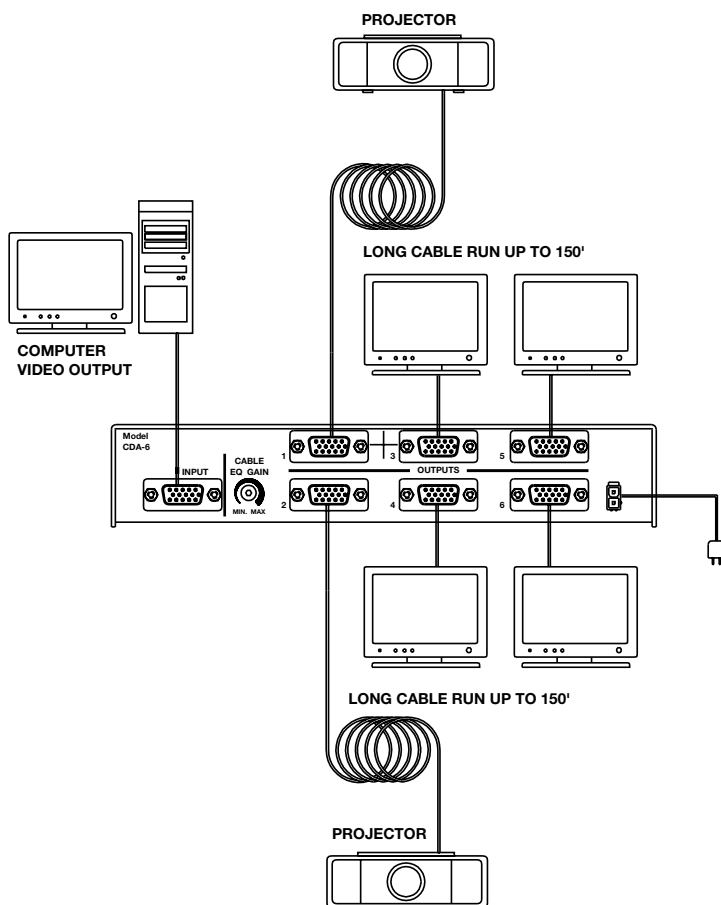


Response curves of a 150 foot length of West Penn 8255 coax driven with a 0.7V P-P signal. Notice that by itself, the cable's -3dB bandwidth is only 17 MHz, but when used with the CDA-4/6, the bandwidth is restored to 162 MHz at the end of the cable.



Response curve at the connectors of the CDA-4/6 fully loaded with a standard input of (0.7V p-p) signal applied.

TYPICAL OF CDA-6



Specifications are subject to change without notice.

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