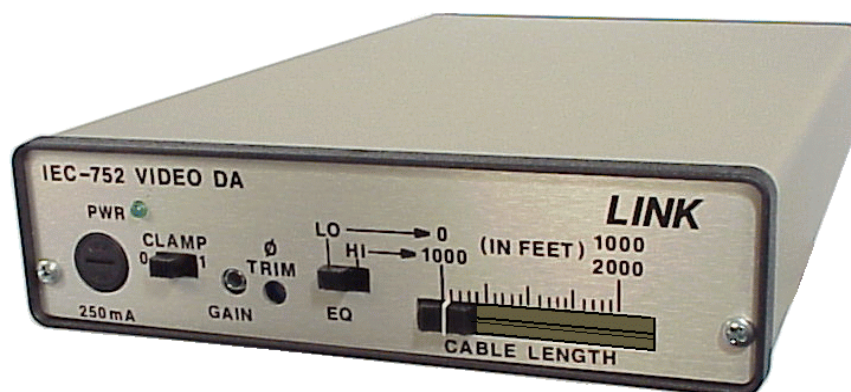




VIDEO DISTRIBUTION AMPLIFIER WITH 2000 FEET OF CABLE EQUALIZATION MODEL IEC-752



FEATURES

- ◆ Six Outputs
- ◆ Feedback Clamp
- ◆ 35MHz Bandwidth
- ◆ Delay Adjustment
- ◆ 2K Feet Cable EQ
- ◆ Automatic DC Offset Model IEC-752
- ◆ Differential Input

The IEC-752 Video Distribution Amplifier reflects the state of the art in engineering. The IEC-752 is the most versatile video amplifier in the broadcast industry.

The IEC-752 offers transparent transmission, with a bandwidth equal to 35 MHz. A differential amplifier on the input is standard, and provides more than 80 dB of common mode rejection.

Up to three IEC-752's can be mounted in the PRT-700 rack tray. PRT-705 blank panels can be used to cover unused spaces.

The versatility of the IEC-752 is illustrated by its choice of built-in features. A switch on the front panel selects feedback clamp on and off. Gain control is $\pm 3\text{dB}$.

Cable equalization is a slider control located on the front panel that adjust up to 1000 feet of coax cable loss. When EQ switch is activated, 1000ft are added. A delay trim on the front panel allows matching of signal propagation delays. Delay adjustment range is six (6) $^\circ$.

All Link products carry a ten-year warranty on parts and labor.

MODEL IEC-752 VIDEO DA 2000 FEET OF CABLE EQUALIZATION

SPECIFICATIONS

INPUT:

Video Level: 1.0V p-p \pm 3dB
 Impedance: >100K Ω , bridging
 Common Mode Range: 16Vp-p, 60 Hz
 Maximum DC In: \pm 5 VDC
 CMRR: > 80dB @ 60Hz

OUTPUTS:

Number: Six each, BNC
 Level: Unity Gain \pm 3dB

AMPLIFIER PERFORMANCE:

Frequency Response: \pm 0.1dB to 20 MHz
 \pm 3.0dB to 30 MHz
 Differential Gain: <0.1%, 10% to 90% APL
 Differential Phase: <0.1°, 10% to 90% APL
 Clamping action: 40dB for 10% to 90% APL
 34dB for 60Hz AC hum
 DC Gain Stability: \pm 0.1dB
 Noise: >70dB, below 1.0V p-p
 Hum: >70dB, below 1.0V p-p
 Output Isolation: > -40dB at 3.58 MHz
 Return Loss: 40dB to 6 MHz
 Tilt: < 0.4%
 Ringing: < 0.4%
 High Freq. Overshoot: <0.4%
 Coupling: DC Servo, Average DC output =0
 Residual DC on Video: <4mV, typically 1mV
 Low Freq. Bounce: 10% to 90% APL @ 1.0V p-p
 Harmonic Distortion: Less than 0.4% (48dB) @ 3.58MHz, 2Vp-p

FRONT PANEL CONTROLS:

Gain Control: \pm 3dB continuous from unity
 Cable Equalizer: Equalizes up to 2000 Ft
 Propagation Delay Trim: 6° @ 3.58 MHz

ENVIRONMENTAL:

Temperature: 0° to 50° C, ambient
 Humidity: 10% to 90% non-condensing

POWER:

Input AC: 120/240 VAC
 DC Voltages: +15 VDC, 100mA
 -15 VDC, 100 mA
 Power: 9.6 Watts

MECHANICAL:

Height: 1.0 Inch
 Width: 5.5 Inches
 Depth: 9.25 inches
 Weight: 2.25 pounds

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PRT-700 RACK TRAY



IEC-752 REAR PANEL

PROFESSIONAL SERIES--
stand-alone system products--by LINK