



LINK ELECTRONICS, INC.

VIDEO DISTRIBUTION AMPLIFIER MODEL IEC-750



MADE IN THE USA



FEATURES

- ◆ 1 input, 8 outputs
- ◆ Selectable Dual 1 X 4
- ◆ Differential or SE Input*
- ◆ Stereo 1X4
- ◆ Mount 3 in 1RU Frame
- ◆ Low Power Consumption
- ◆ Portable

The IEC-750 video distribution amplifier reflects the latest in the state of the art in engineering techniques. The IEC-750 is the most versatile video amplifier yet conceived, offering outstanding performance. The input is high impedance loop through in the 1X8 mode of operation. In the dual 1X4 mode, the input is terminated internally. The dual mode of operation provides four outputs of each of the two inputs.

The versatility of the IEC-750 is illustrated by its choice of operation. Several unique features are standard with this stand-alone video DA.

A switch on the rear panel allows the unit to operate as a dual DA with two terminated inputs with four outputs each. Two gain controls on the front panel adjust the video level to $\pm 3\text{dB}$ for each set of four outputs. A switch on the rear panel allows for differential or single-ended inputs.

The IEC-750 has a video bandwidth of 20 MHz, making it a very useful device for any application. A fuse on the front panel provides easy replacement. The IEC-750 is a self contained video DA with an on board power supply that draws only 4 watts. Three units can be mounted in a 1 RU frame.

* SE, Single Ended

MODEL IEC-750 VIDEO DISTRIBUTION AMPLIFIER

SPECIFICATIONS

INPUT:

Video Level: 1.0 Vp-p \pm 3dB
Impedance:
 1 X 8 Mode: > 100K ohms bridging
 2 X 4 Mode: 75 ohms terminating
Maximum DC on Inputs: 4VDC
Common Mode Range: 8Vp-p
CMRR:
 60Hz: <90dB
 30KHz: <70dB
 1 MHz: <45dB
Cross Talk: <60dB

OUTPUTS:

Number:
 1 X 8: 8
 2 X 4: 4 each amplifier
Level: Unity Gain \pm 3dB
Impedance: 75 Ω \pm 1% source terminated
Frequency Response: \pm 3dB at 0.17Hz
 \pm 0.1 dB to 14MHz
 \pm 3dB at 20MHz
Differential Gain: 0.15%
Differential Phase: 0.12°
Propagation Delay: 12nS
RMS Noise, 20MHz Filtered: <60dB
RMS Hum, 20MHz Filtered: <60dB
Output Isolation: >36dB at 3.58MHz
Coupling: DC Servo AC
DC Offset: <200mV
Line Rate Tilt: <0.1%
Field Rate Tilt: <0.1%

ENVIRONMENTAL:

Temperature: 0° to 50° C Ambient
Humidity: 10% to 90% non-condensing
Power: 4 watts
AC Voltage: 120/240 VAC

MECHANICAL:

Height: 1.0 Inch
Width: 5.5 Inches
Depth: 9.25 Inches
Weight: 2.25 Lbs.

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PRT-700 RACK TRAY



IEC-750 REAR PANEL

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