



LINK ELECTRONICS, INC.

Y/C DISTRIBUTION AMP MODEL PVA-851



MADE IN THE USA



FEATURES

- ◆ 16 Outputs
- ◆ Y & C Gain
- ◆ Bandwidth 30MHz
- ◆ Input Terminate Switch
- ◆ 4-Pin Mini DIN Connectors

The PVA-851 is a self-contained Y/C Video Distribution Amplifier. It's input is normally high-impedance, looping, but may be terminated using a rear panel push button switch. All inputs and outputs use a standard four pin Mini-DIN connectors. Front panel independent gain controls for Luminance (Y) and Chrominance (C) allow for precise adjustment.

The PVA-851 is an ideal device for duplication in a Y/C environment. One looping input and 16 outputs of Y/C are provided through Mini-DIN's.

The video performance of the PVA-851 is outstanding with differential phase and gain errors of less than 0.1° and 0.1%, respectively. High-performance CMF op-amps in the video path allow the PVA-851 to combine wide bandwidth of 30MHz with low noise of greater than 68dB. The power consumption is less than 8.0VAR.

The Y/C distribution amplifier is housed in a rugged 1RU chassis and is backed by LINK's ten-year warranty.

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MODEL PVA-851 Y/C DISTRIBUTION AMP

SPECIFICATIONS

INPUT:

Video Level: 1.0Vpp \pm 3dB
Impedance: 20k Ω or 75 Ω , selectable
Configuration: Single-ended, AC coupled
Cross Talk >65dB @3.58MHz
..... >55dB @10.0MHz

OUTPUTS:

Number Sixteen (16) Y/C
Level Unity Gain, +3dB, -1.5dB
Impedance 75 Ω , \pm 1%
Frequency Response: \pm 0.1dB to 10MHz
..... -1.0 @ 20MHz
..... -3.0 @ 30MHz
Differential Gain <0.1%
Differential Phase <0.1 $^\circ$
Propagation Delay 17ns
Hum and Noise >68dB
DC Offset <0.2Vdc
Field Rate Tilt <0.2%

ENVIRONMENTAL:

Temperature: 0 $^\circ$ to 50 $^\circ$ C (ambient)
Humidity: 10% to 90% non-condensing
Power: 8VAR
AC Input: 120/240VAC (\pm 10%) 50/60Hz

MECHANICAL:

Height: 1.75 inches
Width: 19 inches
Depth: 8 inches
Weight: 4.75 Lbs.



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