



LINK ELECTRONICS, INC.

PORTABLE SERIES

VIDEO DISTRIBUTION AMPLIFIER 12 VOLTS AC OR DC OPERATION MODEL PVA-50



MADE IN THE USA



Wall Transformer
Included
Part #PWT-3512
or DC Powered

FEATURES

- ◆ Four Outputs
- ◆ Differential Input
- ◆ Battery Operated
- ◆ Bandwidth 40MHz
- ◆ Gain Adjust " 3dB
- ◆ Low Power Consumption

The PVA-50 is a portable broadcast quality video distribution amplifier which combines excellent performance with low power consumption. The unit is designed for field use, and is housed in a durable high-impact plastic case. The input is high-impedance, looping, and four 75 Ohm outputs are provided. A front panel gain control adjusts for " 3dB gain. The versatility of the PVA-50 is aided by an on-board voltage regulator which allows the unit to be powered from an external AC or DC supply. Operating voltage range is identical to that of modern ENG cameras. Weighing in at only 5.5 ounces (156g), the PVA-50 can easily be carried by a field cameraman and powered by the camera's battery pack. The ability to operate from an AC supply also provides complete polarity protection for mobile or field operation.

Video performance is highlighted by an outstanding video bandwidth, within -1 dB at 40MHz, extremely low tilt, less than 0.5%, and low signal to noise ratio, greater than 60dB. Differential signal input is standard and both input and outputs are AC coupled. Phase and gain errors are controlled to within 0.25 degrees and 0.25 percent respectively. The input voltage can be AC or DC in the range of 10.8 to 20 volts with power drain of approximately 30mA. The PVA-50 is the perfect companion for practically any field operation. Performance, reliability, and economy come together in an attractive, light-weight case that won't load down the cameraman or his power supply. The PVA-50 Video DA is backed by the standard ten year warranty including parts and labor.

LINK ELECTRONICS, INC. g 2137 Rust Avenue g Cape Girardeau, MO 63703-7668

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MODEL PVA-50 PORTABLE VIDEO DA

SPECIFICATIONS

INPUT:

Video Level: 1.0Vpp " 3dB
Impedance: >50K Ohms
Common Mode Range: 60 Hz, 1Vpp
Maximum DC In: " 12 VDC
CMRR: >50dB @ 60Hz

OUTPUTS:

Number: Four each, BNC
Level: Unity Gain " 3dB

AMPLIFIER PERFORMANCE:

Freq. Response: " 0.1dB to 20MHz
..... -1.0 to 40 MHz
Diff. Gain: <0.25%, 10% to 90% APL
Diff. Phase: <0.25E, 10% to 90% APL
Output Isolation: >-40dB at 3.58 MHz
Return Loss: >40dB to 6MHz
..... 39dB to 20MHz
Tilt: <0.4%
Ringing: <0.4%
Propagation Delay: 10 nS
High Freq. Overshoot: <0.4%
Coupling: AC in and out

INTERNAL CONTROLS:

Common Mode Null: Trim adjust
Freq. Response Trim: Flat response

ENVIRONMENTAL:

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

POWER:

12 Volts AC or DC:
Range: 10.8 to 20 Volts
Power: 30mA Typical

MECHANICAL:

Height: 1.4 Inch
Width: 4.5 Inch
Depth: 2.6 Inch
Weight: 5.5 oz.

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