



**RDL**<sup>®</sup>  
Radio Design Labs

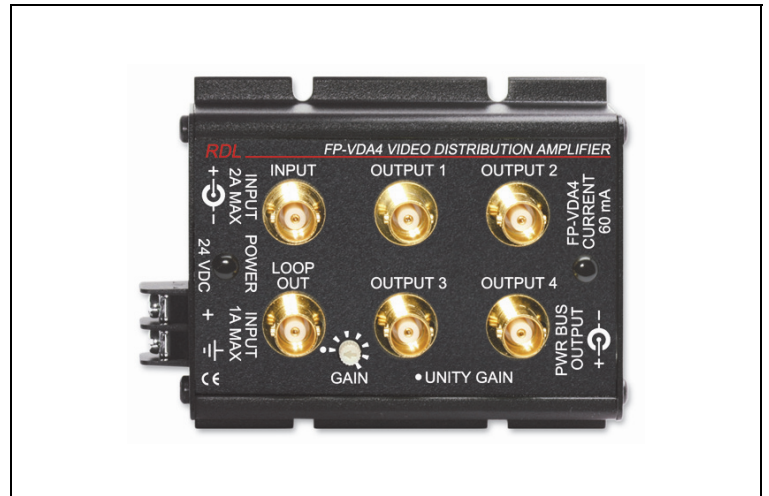
SPECIALISTS IN PRACTICAL PRECISION ENGINEERING™

## FLAT-PAK™ SERIES

### Model FP-VDA4

### Video Distribution Amplifier

- Video Distribution with Four Outputs
- Adjustable Gain
- Input Loop-Through Jack
- Wide Bandwidth – *Flat* to 10 MHz
- NTSC or PAL Operation
- Ultra-Compact All Metal Construction
- Convenience of RDL FLAT-PAKS



The FP-VDA4 is part of the group of versatile FLAT-PAK products from Radio Design Labs. The unique FLAT-PAK case can be directly screwed or bolted to cabinets or shelves. Optionally available rack-mounting accessories permit single or multiple FLAT-PAK module mounting. All FLAT-PAK modules are supplied with a power interconnect cable for daisy-chaining multiple modules from a single power supply.

**APPLICATION:** The FP-VDA4 is the ideal choice in many applications where video signals need to be distributed. Video input and output connections are made on the top panel BNC jacks. Power connections are made using either the full-size barrier block terminals or a dc power jack located in one end panel. A second dc power jack is provided on the other end panel for connecting additional FLAT-PAK modules.

The FP-VDA4 has two jacks in the bridging input stage. One jack is for the input signal; the other is a *loop-through* output of the source signal. If 75  $\Omega$  termination of the input signal is required, the terminator (provided) is plugged onto the **LOOP OUT** jack. Gain is user adjustable from the top panel. The gain potentiometer allows adjustment from unity to +6 dB. Four source-terminated outputs are provided through the BNC output jacks. Unused outputs need not be terminated.

The FP-VDA4's low profile and compact size permit mounting in confined spaces and in various locations in equipment racks. The location of the input/output jacks permits high density mounting against flat surfaces while maintaining accessibility to the connectors. Installations requiring multiple distribution amplifiers are ideally designed using FP-VDA4s affixed to rack sides, or by mounting them to either the front or rear rack rails using the RDL FP-RRA.

Wherever a video distribution amplifier is needed to provide wide-band video feeds, gain adjustment, reliability, compactness and unsurpassed versatility, the FP-VDA4 is the ideal choice. Use the FP-VDA4 individually, or combine it with other RDL products as part of a complete audio/video system.

## Installation/Operation

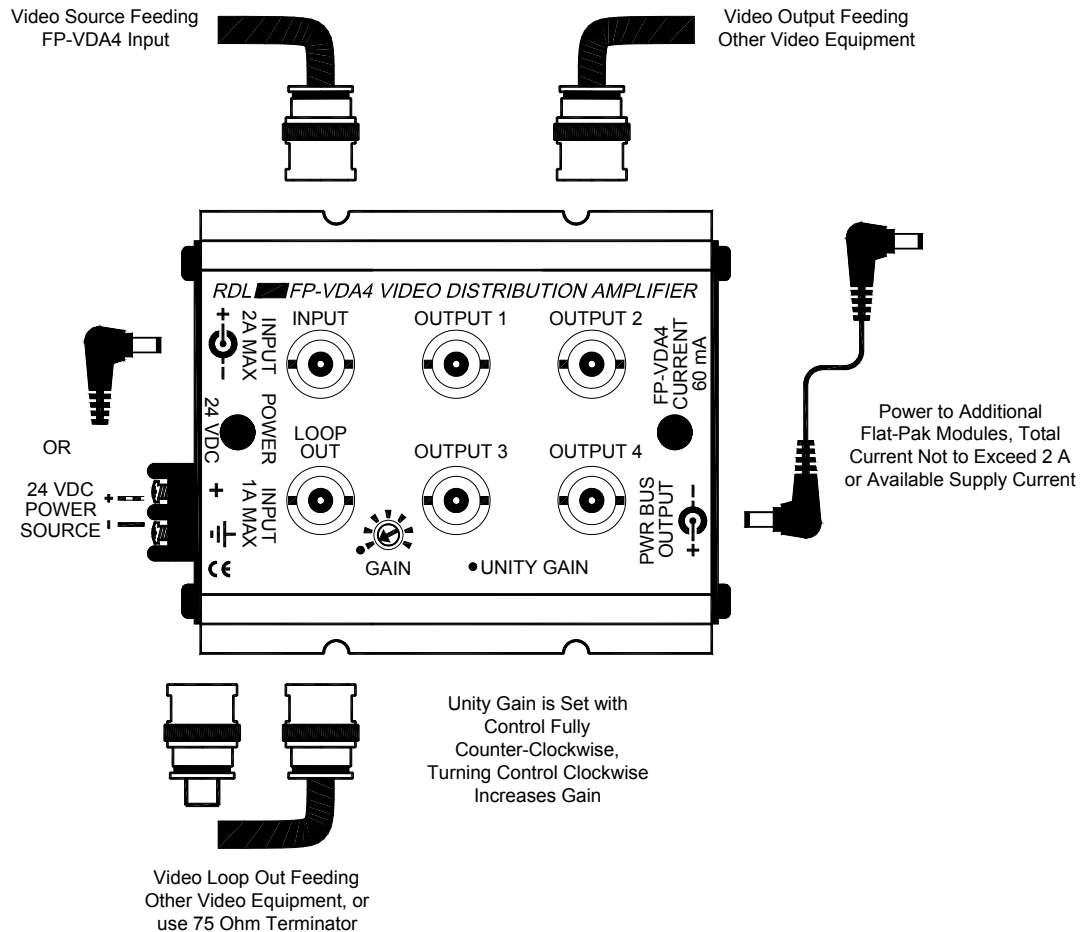
# FLAT-PAK™ SERIES

## Model FP-VDA4

### Video Distribution Amplifier



Declaration of Conformity available from rdlnet.com.  
Sole EMC specifications provided on product package.  
Specifications are subject to change without notice.



### TYPICAL PERFORMANCE

Input Impedance:	1 k $\Omega$ (Bridging 75 $\Omega$ Line)
Gain Range:	Unity to +6 dB (adjustable)
Load Impedance:	75 $\Omega$
Outputs (5):	1 <b>Loop Out</b> from Input Signal; 4 Amplified Outputs
Output Level:	1 V p-p (into 75 $\Omega$ )
Frequency Response:	10 Hz - 10 MHz (+/- 0.2 dB)
Noise:	< -75 dB (below 1 V p-p)
Output Isolation:	> 45 dB
Differential Gain:	0.1%
Differential Phase:	0.1 degree (measured at 10% and 90% APL)
Connector Type:	BNC
Power Requirement:	24 Vdc @ 60 mA, Ground-referenced
Overall Dimensions:	Height: 1.34 in. 3.40 cm

Radio Design Labs Technical Support Centers

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