FLAT-PAK™ SERIES
Model FP-AVDA4
Audio/Video Distribution Amp

ANYWHERE YOU NEED...

- Consumer Audio/Video Distribution
- Four Outputs (Video + Stereo Audio)
- Professional Quality Performance
- 75 Ω Video Input/Outputs
- Unbalanced Audio Input/Outputs
- Wideband Video – *Flat* to 10 MHz
- Ultra-Compact All Metal Construction
- Convenience of RDL FLAT-PAKs

You Need The FP-AVDA4!

The FP-AVDA4 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-AVDA4 is the ideal choice in applications where consumer format audio and video signals need to be distributed simultaneously. Audio and video inputs and outputs are made on the top panel phono 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-AVDA4 has a single 75 Ω input phono jack for the video signal and two phono jacks for the left and right audio inputs. Four source-terminated, 75 Ω video outputs are provided on the video output phono jacks. Four stereo audio outputs are provided on phono jack pairs located adjacent to the corresponding video output. Unused outputs need not be terminated. Audio and video outputs are at unity gain.

The FP-AVDA4'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-AVDA4s affixed to rack sides, or by mounting them to either the front or rear rack rails using the RDL FP-RRA.

Wherever wide-band video and audio need to be distributed economically with professional quality, reliability, compactness and unsurpassed versatility, the FP-AVDA4 is the ideal choice. Use the FP-AVDA4 individually, or combine it with other RDL products as part of a complete audio/video system.
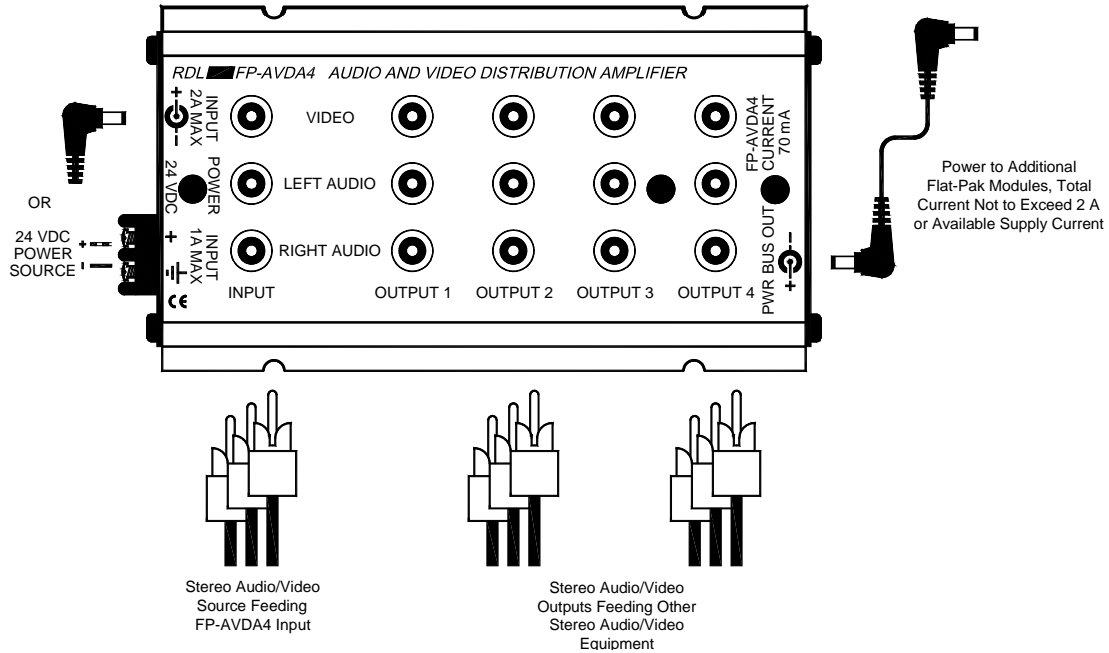
FLAT-PAK™ SERIES

Model FP-AVDA4
Audio/Video Distribution Amplifier

Installation/Operation

CE

EN55103-1 E1-E5; EN55103-2 E1-E4
Typical Performance reflects product at publication time exclusive of EMC data, if any, supplied with product. Specifications are subject to change without notice.

Stereo Audio/Video Source Feeding FP-AVDA4 Input

Stereo Audio/Video Outputs Feeding Other Stereo Audio/Video Equipment

TYPICAL PERFORMANCE

VIDEO SECTION:

Input:	Phono jack, 1V p-p
Input Impedance:	75 Ω
Gain:	Unity
Load Impedance:	75 Ω
Outputs (4):	Phono jack
Output Level:	1 V p-p (into 75 Ω)
Frequency Response:	10 Hz to 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)

AUDIO SECTION:

Inputs (2):	Phono jacks (stereo), -10 dBV Unbalanced
Input impedance:	10 kΩ, bridging
Gain:	Unity
Outputs (8):	Phono jacks (4 stereo)
Output impedance:	150 Ω, drives 10 kΩ lines
Frequency Response:	20 Hz to 40 kHz (+/- 0.25 dB)
THD+N:	< 0.05%; typ. 0.01% (1 kHz)
IMD:	< 0.02%
Output Level:	-10 dBV
Headroom:	> 18 dB
Noise:	< -85 dB referred to –10 dBV (20 Hz to 20 kHz)
Crosstalk:	Better than -75 dB (20 Hz to 20 kHz); typ <-90 dB (1 kHz)
Power Requirement:	24 Vdc @ 60 mA, Ground-referenced

Overall Dimensions:			
	Height:	1.20 in.	3.05 cm
	Width:	3.25 in.	8.26 cm
	Length:	6.41 in.	16.28 cm

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