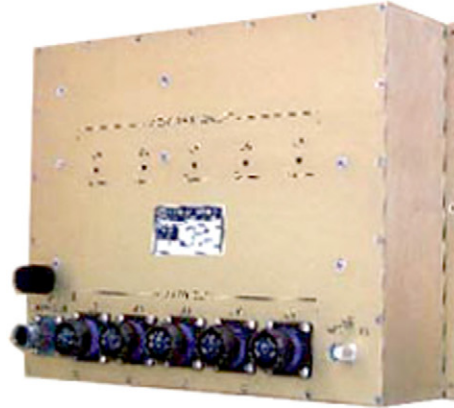


818.781.2185 Sales  
sales@eoninstrumentation.com



#### *General*

The EON Model ADV-301-150 Video Amplifier is a broadband amplifier with essentially flat frequency response from 30 Hz to 10.0 MHz. This amplifier was originally designed for missile TV video data, but it can also be used in other applications. The Model ADV-301-150 has a single ended input and 15 single ended outputs.

#### *Electrical Specifications:*

- *Input Type: Single ended.*
- *Input Impedance: 75 Ohm Standard, others available*
- *Input Signal Amplitude: 0.5 to 5.0V peak-to-peak*
- *Input Overload Protection: 10V peak-to-peak, do not exceed +/-5V*
- *Phase Characteristics: Non-Inverting*
- *Output: 15 Differential, 5 banks of 3 outputs*

*Five single ended outputs with 75 Ohm output impedance. Specifications at matched output load. Other impedances available. Specify when ordering.*

- *Signal Ground: Tied to chassis ground.*
- *Output Signal Amplitude: Differential outputs 0 to 1.6V peak to peak*  
*Gain adjustable 0 to 1.0*
- *Bandwidth: Flat within  $\pm 5$ dB from 50Hz to 10.0MHz at 1V peak-to peak output.*
- *Noise: 10mV peak-to-peak at unity gain.*
- *Primary Power: Voltage: 18-36 VDC, 300 Mamps*  
*Reverse Polarity Protection provided*

*Environmental Specifications:*

- *Temperature: -25 degrees C to +71 degrees C operating  
-21 degrees C to +85 degrees C non-operating.*
- *Altitude: 0 – 50,000 feet.*
- *Humidity: 0 – 95%*

*Mechanical Specifications:*

- *Size: 8.01W x 10.76L x 2.67H inches.*
- *Weight: 6 lbs. nominal*
- *Mounting: 6X.156 inches*
- *Input Power Connector: D38999/20WA98PN*

