

AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
ENGINEERING . MANUFACTURING

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Model AV-144-LLLA

Specifications

The Model AV-144-LLLA amplifier is designed to amplify bipolar baseband pulses in the pulse width range of about 0.5 usec and higher and CW signals in the frequency range of DC to 5 MHz. The basic specifications for the unit are as follows:

Gain:	≥ 40 db
Bandwidth:	DC to 5 MHz
Peak output voltage (to 50 ohms or higher):	± 5.0 volt
Rise time:	≤ 0.1 usec
Input impedance:	$\geq 10^{12}$ ohms
Prime power:	+15 V, 300 mA (max)
Connectors:	SMA
Size:	1.4 x 1.1 x 2.3 inches

Notes:

- 1) The DC offset on the output may be adjusted to zero using the OS turn pot next to the OUT connector.
- 2) The +15V supply should not be applied to the unit when the input is open circuited or when the source impedance is higher than about 10 M ohms since this may result in output oscillation or DC output voltages as high as 10 volts.

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