

# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
ENGINEERING - MANUFACTURING

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## Model AV-143-PS

### Specifications

The Model AV-143 amplifier is designed to amplify bipolar baseband pulses in the pulse width range of about 10 nsec and higher and CW signals in the frequency range of DC to 75 MHz. The basic specifications for the unit are as follows:

Gain:	> 20 db
Bandwidth:	DC to 75 MHz
Peak output voltage (to 50 ohms or higher):	±5.0 volt
Rise time:	< 4 nsec
Input impedance:	> 50 ohms
Input noise level:	30 uV
Prime power:	120/240V, 50-60 Hz
Connectors:	SMA
Size:	4 x 8 x 12 inches

#### NOTE:

DC OFFSET ADJUSTMENT. Remove four Phillips screws on rear panel. Top lid may then be slid off. Adjust locking pot on side of amplifier module to attain zero DC offset on output (only very minor pot adjustment should be necessary). Replace top lid.

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