



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## Model AV-143A

### Specifications

The Model AV-143A amplifier is designed to amplify bipolar baseband pulses in the pulse width range of about 20 ns and higher and CW signals in the frequency range of DC to 50 MHz. The basic specifications for the unit are as follows:

Gain:	x 2.5 (voltage, non-inverting)
Bandwidth:	DC to 50 MHz
Peak output voltage (to 50 Ohms or higher):	± 10 Volts
Rise time:	≤ 10 ns
Output impedance:	2 Ohms
Input impedance:	1 K
Prime power:	±24V, 400 mA (max)
Connectors:	BNC
Size:	1.7 x 2.6 x 4.3 inches

- CAUTION:**
- 1) The module should be attached to a heat sink capable of dissipating at least 10 Watts.
  - 2) The unit may be damaged if operated into a short circuit. Such failures are not covered by the warranty.
  - 3) DC Offset on the output may be set to zero using the ten-turn OS trim pot. The Offset was set to zero at the time of shipping.