



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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Model AV-143A-CERN1

Specifications

The Model AV-143A-CERN1 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:	> 50k
Prime power:	+24V and -24V (300 mA)
Connectors:	SMA
Size:	1.7 x 2.6 x 4.3 inches

- NOTES:**
- 1) The unit may be damaged if operated into a short circuit. Such failures are not covered by the warranty.
 - 2) 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.