



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

□ P.O. BOX 265
OGDENSBURG, NY
U.S.A. 13669-0265
TEL: (315) 472-5270
FAX: (613) 226-2802

TEL: 1-800-265-6681
FAX: 1-800-561-1970

e-mail: info@avtechpulse.com
<http://www.avtechpulse.com>

□ P.O. BOX 5120 STN. F
OTTAWA, ONTARIO
CANADA K2C 3H4
TEL: (613) 226-5772
FAX: (613) 226-2802

Model AV-143B-PS

Specifications

The Model AV-143B-PS amplifier is designed to amplify positive baseband pulses in the pulse width range of about 200 ns and higher. The basic specifications for the unit are as follows:

Gain:	x 5 (voltage, non-inverting)
Bandwidth:	DC to 10 MHz
Peak output voltage (to 50 Ohms or higher):	± 20 Volts
Rise time:	≤ 50 ns
Input impedance:	1 K
Output impedance:	≈ 2 Ohms
Max output power:	8 Watts
Prime power:	120/240V, 50-60 Hz
Connectors:	BNC
Size:	4 x 8 x 12 inches

REAR PANEL CONTROLS

- 1) FUSED CONNECTOR, VOLTAGE SELECTOR. The detachable power cord is connected at this point. In addition, the removable card is adjusted to select the desired input operating voltage. The unit also contains the main power fuse (0.5A SB).
- 2) 0.5 A SB, P and N. Two fuses protect the output stage against overload conditions