



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## Model AV-144C1-PS

### Specifications

The Model AV-144C1-PS amplifier is designed to amplify TTL pulses in the pulse width range of about 50 ns and higher to +30 volts to 50 Ohms. The basic specifications for the unit are as follows:

Input :	TTL pulses (+3 to +4 volts), pulse widths greater than 50 ns.
Peak output voltage : (to 50 Ohms)	+ 30 Volts. Caution : This unit must see a 50 Ohm load.
Rise time:	≤ 10 ns
Input impedance:	1 K
Output impedance:	≈ 10 Ohms
Max output power:	8 Watts
Prime power:	120/240V, 50-60 Hz
Connectors:	SMA
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 (0.5 SB).
- 2) 0.5 A SB Fuse. Protects the output stage from excessive high duty cycle operation.

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