



AVTECH ELECTROSYSTEMS LTD.

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SINCE 1975

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Model AV-143CN-PS

Specifications

The Model AV-143CN-PS amplifier is designed to amplify and invert 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 -7.5 (voltage, inverting)
Bandwidth:	DC to 10 MHz
Peak output voltage (to 50 Ohms or higher):	-30 Volts
Rise time:	≤ 50 ns
Input impedance:	1 K
Max output power:	8 Watts
Prime power:	120/240V, 50-60 Hz
Connectors:	BNC
Size:	4 x 8 x 12 inches

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.

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 (0.25 SB).
- 2) 0.5A SB. Fuse which protects the output stage if the output power rating is exceeded.

September 2017

Disk: AV-

File: 143CNPS.INS