



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## Model AV-141H-NRELB

### Specifications

The Model AV-141H amplifier is designed to buffer and amplify bipolar baseband pulses in the pulse width range of about 100 ns and higher and CW signals in the frequency range of DC to 10 MHz. The basic specifications for the unit are as follows:

Gain:	≥ 40 dB
Bandwidth:	DC to 10 MHz
Peak output voltage (to 50 Ohms or higher):	±3.0 Volts
Rise time:	≤ 50 ns (typically 20 ns)
Input impedance:	≥ 10 <sup>10</sup> Ohms
Prime power:	±15 V, 100 mA (max)
Connectors:	SMA
Size:	1.7 x 2.6 x 4.3 inches

- 1) **CAUTION:** The output voltage may rise to 5 Volts (and possibly damage the amplifier and the load) if the ±15 Volt prime power is applied when the AV-141H input is open circuited.
- 2) The side panel OS pot serves to adjust the output DC offset level. At time of shipping, the pot was adjusted for 0 Volts offset.

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Disk: AV-

Name: 41HNRELB.INS