



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## Model AV-141H

### Specifications

The Model AV-141H amplifier is designed to buffer bipolar nanosecond rise time baseband pulses in the pulse width range of about 5.0 ns and higher and CW signals in the frequency range of DC to 100 MHz. The basic specifications for the unit are as follows:

Gain:	≥ 0 dB (unity gain)
Peak output voltage:	±10 Volts (to 50 Ohms)
Rise time:	≤ 4 ns
Input impedance level:	≥ 10 <sup>10</sup> Ohms
Bandwidth:	DC to 100 MHz
Prime power:	+15V, 300 mA (max)
Connectors:	SMA
Size:	1.4 x 1.1 x 2.3 inches

#### Notes:

- 1) The module should be bolted to a heat sink.
- 2) CAUTION: The output voltage may rise to 10 Volts (and possibly damage the load) if the +15 Volt prime power is applied when the AV-141 input is open circuited.

March 13/95

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Name: 141H.INS