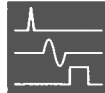


**AVTECH****AVTECH ELECTROSYSTEMS LTD.**  
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Model AV-145

Specifications

The Model AV-145 amplifier is designed to buffer bipolar nanosecond rise time baseband pulses in the pulse width range of about 5.0 nsec 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 volt (to 50 ohms)
Rise time:	≤3 nsec
Input impedance level:	≥10 <sup>10</sup> ohms
Bandwidth:	DC to 100 MHz
Prime power:	+15 V, 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-145 input is open circuited.

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