



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## Model AV-133B

The Model AV-133B amplifier is designed to amplify nanosecond rise time baseband pulses in the pulse width range of about 500 ps to 500 ns and CW signals in the frequency range of 1.0 MHz to 1.0 GHz. The basic specifications for the unit are as follows:

Gain:	≥ 30 dB
Peak output voltage:	± 0.4 Volt
Impedance level:	50 Ohms nominal
Input VSWR:	≤ 2.5 : 1
Output VSWR:	≤ 2.5 : 1
Max. noise figure:	2.0 dB
Rise time:	≤ 400 ps
Prime power:	+15 VDC 65 mA max
Connectors:	SMA
Size:	1.4 x 1.1 x 2.3 inches

**CAUTION:** The input to this amplifier does not include any overload protection and so it may be damaged if subjected to high amplitude spurious outputs such as those provided by some PMT. The warranty does not apply to such failures.