

# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
ENGINEERING . MANUFACTURING

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## Model AV-132

### Specifications

The Model AV-132 amplifier is designed to amplify bipolar nanosecond rise time baseband pulses in the pulse width range of about 1 nsec to 500 nsec and CW signals in the frequency range of 1.0 MHz to 500 MHz. The basic specifications for the unit are as follows:

Gain:	$\geq 20$ db for $f \ll 250$ MHz
Peak output voltage:	$\pm 2$ volts
Impedance level:	50 ohms nominal
Input VSWR:	$\ll 2.5:1$
Output VSWR:	$\ll 2.5:1$
Input thermal noise level:	$\approx 10$ $\mu$ V
Max. noise figure:	7 db
Rise time:	$\ll 1$ nsec
Min. input pulse width:	$\geq 1$ nsec
Max. input pulse width:	$\ll 500$ nsec
Prime power:	+5 $\pm 1.0$ volts. 150 mA max
Connectors:	SMA
Size:	1.4 x 1.1 x 2.3 inches

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6184781 11 270  
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