



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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Model AV-131B

The Model AV-131B amplifier is designed to amplify nanosecond rise time baseband pulses in the pulse width range of about 1 ns to 500 ns and CW signals in the frequency range of 1.0 MHz to 500 MHz. The basic specifications for the unit are as follows:

Gain:	≥ 40 dB
Peak output voltage:	± 1.0 Volt
Impedance level:	50 Ohms nominal
Input VSWR:	$\leq 2.5:1$
Output VSWR:	$\leq 2.5:1$
Max. noise figure:	3.0 dB
Rise time:	≤ 1 ns
Prime power:	+15 VDC 100 mA max
Connectors:	SMA
Size:	1.4 x 1.1 x 2.3 inches

April 2/97

Disk: AV-

Name: 131B.INS

Saved in Word as of Oct 10/97

File: C:\INSTRUCT\AV-131B.DOC

Note: File is adjusted in word