



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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Model AV-131A

The Model AV-131A 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: | ≥ 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: | 1.7 dB |
| Rise time: | 1 ns |
| Prime power: | +15 VDC 40 mA max |
| Connectors: | SMA |
| Size: | 1.4 x 1.1 x 2.3 inches |

April 2/97

Disk: AV-

Name: 131A.INS

Saved in word as of Oct 9/97

File: C:\INSTRUCT\AV-1\131A.DOC

Note: File is adjusted in word