



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

□ P.O. BOX 265
OGDENSBURG, NY
U.S.A. 13669-0265
TEL: (315) 472-5270
FAX: (613) 226-2802

TEL: 1-800-265-6681
FAX: 1-800-561-1970

e-mail: info@avtechpulse.com
<http://www.avtechpulse.com>

□ P.O. BOX 5120 STN. F
OTTAWA, ONTARIO
CANADA K2C 3H4
TEL: (613) 226-5772
FAX: (613) 226-2802

MODEL AV-141F

Specifications

The Model AV-141F amplifier is designed to amplify bipolar baseband pulses in the pulse width range of about 10 ns and higher and CW signals in the frequency range of DC to 75 MHz. The basic specifications for the unit are as follows:

Gain:	≥ 29 dB
Bandwidth:	DC to 75 MHz
Peak Output Voltage (to 50 Ohms or higher):	± 5.0 Volts
Rise Time:	≤ 4 Ns
Input Impedance:	50 Ohms
Input Noise Level:	30 μ V
Prime Power:	+15 V, 300 mA (max)
Connectors:	SMA
Size:	1.7 x 2.6 x 4.3 inches

- 1) The side panel OS pot serves to adjust the output DC offset level. At time of shipping, the pot was adjusted for 0 Volts offset.
- 2) The supply current should not exceed 300 mA. Reduce the input waveform duty cycle if the supply current exceeds 300 mA.