



# 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](mailto: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-141G

### Specifications

The Model AV-141G amplifier is designed to amplify bipolar baseband pulses in the pulse width range of about 30 ns and higher and CW signals in the frequency range of DC to 20 MHz. The basic specifications for the unit are as follows:

Gain:	≥ 10 dB
Bandwidth:	DC to 20 MHz
Peak Output Voltage (to 50 Ohms or higher):	± 5.0 Volts
Rise Time:	≤ 15 Ns
Input Impedance:	10 KΩ
Input Noise Level:	4 nV / √Hz
Prime Power:	±15 V, 200 mA (max)
Connectors:	SMA
Size:	1.4 x 1.1 x 2.3 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 200 mA. Reduce the input waveform duty cycle if the supply current exceeds 200 mA.
- 3) **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.