### AVTECH ELECTROSYSTEMS LTD.

# NANOSECOND WAVEFORM ELECTRONICS ENGINEERING - MANUFACTURING

P.O. BOX 265 OGDENSBURG NEW YORK 13669 (315) 472-5270 BOX 5120 STN. "F" OTTAWA, ONTARIO CANADA K2C 3H4 (613) 226-5772 TELEX 053-4591

### Model AV-142

#### Specifications

The Model AV-142 amplifier is designed to amplify bipolar baseband pulses in the pulse width range of about 5 nsec and higher and CW signals in the frequency range of DC to 100 MHz. The basic specifications for the unit are as follows:

Gain: ≥10 db

Bandwidth: DC to 100 MHz

Peak output voltage

(to 50 ohms or higher): ±5.0 volt

Rise time: <3 nsec

Input impedance: 50 ohms

Input noise level: 32 uV

Prime power: +15 V, 200 mA (max)

Connectors: SMA

Size:  $1.7 \times 2.6 \times 4.3$  inches

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