



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
U.S.A. & CANADA

e-mail: info@avtechpulse.com

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

Model AV-145C2

Specifications

The Model AV-145C2 amplifier is designed to amplify bipolar baseband pulses in the pulse width range of about 20 ns and higher and CW signals in the frequency range of DC to 35 MHz. The basic specifications for the unit are as follows:

Gain: ≥ -40 dB to $+40$ dB
Gain is controlled by a 0 to +5 VDC control voltage
(0V \rightarrow -40 dB; +5V \rightarrow +40 dB)

Bandwidth: DC to 35 MHz

Peak output voltage
(to 50 Ohms or higher): ± 10.0 Volts

Rise time: ≤ 5 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

Notes:

- 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 unit should be attached to a heat sink capable of dissipating 10 Watts.

April 1/97

Disk: AV-

Name: 145C2.INS