



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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Model AV-145D

Specifications

The Model AV-145D amplifier is designed to amplify bipolar baseband pulses in the pulse width range of about 100 ns and higher, and CW signals in the frequency range of DC to 10 MHz. The basic specifications for the unit are as follows:

Gain: -20 dB to +20 dB

The gain is controlled by a 0 to +5V DC control voltage. (0V → -20dB, +5V → +20dB)

Bandwidth: DC to 10 MHz

Peak output voltage
(to 50 Ohms or higher): ± 20 Volts

Rise time: ≤ 50 ns

Input impedance: 50 Ohms

Prime power: ±24V, 500 mA typically

Connectors: SMA

Size: 1.7 x 2.6 x 4.3 inches

Notes:

1) A "OS" trimpot accessible from the top cover of the module 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.