



## A.H. Systems, Inc.

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## PAM-0118P

**Preamplifier**  
20 MHz – 18 GHz

This preamplifier has a broad frequency range and high gain, designed to match the double ridge guide horn antenna. An ideal solution for improving system sensitivity.



Frequency Range: 20 MHz – 18 GHz

Gain (typical): 39 dB

Flatness: +/- 2.75 dB (above 500 MHz)

Noise Figure: 3 dB

Output Power @ 1 dB  
compression + 6 dBm

VSWR (typical): Less than 2.5:1

Connector: N-Type, female

### Physical Dimensions

Height: 2.5 in. (63 mm)

Width: 3.75 in. (95 mm)

Length: 6.25 in. (158 mm)

Weight: 1.1 lb.'s (0.5 kg)

### **Features**

- Broad Frequency Range of 20 MHz to 18 GHz
- Low Noise, High Gain
- Individually Calibrated
- Low VSWR

The PAM-0118 broadband preamplifier is an excellent choice for improving system dynamic range. The performance of this preamplifier will increase your system sensitivity by 40 dB and is ideal for low-amplitude test measurements. When measuring in the EMC lab or out in the field for general RFI testing, this preamplifier has a rugged compact design.

### **Recommended Accessories**

- SAS-571 (Double Ridge Guide Horn Antenna)
- SAC-18G-3 (3 Meter Low Loss Cable)
- SAC-18G-0.5 (0.5 Meter Low Loss Cable)



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### Preamplifier Calibration

Model Number: PAM-0118P

