



## A.H. Systems, Inc.

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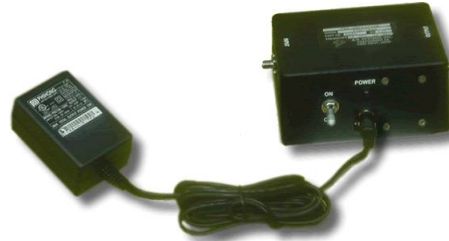
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## PAM-1840VH

### Preamplifier

18 GHz – 40 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: 18 GHz – 40 GHz

Gain (typical): 37 dB

Gain (minimum): 33 dB

Flatness: +/- 3.7 dB

Noise Figure: 3.7 dB

Output Power @ 1 dB  
compression + 6 dBm

VSWR (typical): Less than 2.9:1

Connector: 2.9mm(f) to 2.9mm(f)

### 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 18 GHz to 40 GHz
- Low Noise, High Gain
- Individually Calibrated
- Low VSWR

The PAM-1840VH broadband preamplifier is an excellent choice for improving system dynamic range. The performance of this preamplifier will increase your system sensitivity by at least 30 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-574 (Double Ridge Guide Horn Antenna)
- SAC-40G-1.5 (1.5 Meter Low Loss Cable)
- SAC-40G-0.5 (0.5 Meter Low Loss Cable)



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### Preamplifier Calibration

Model Number: PAM-1840VH

