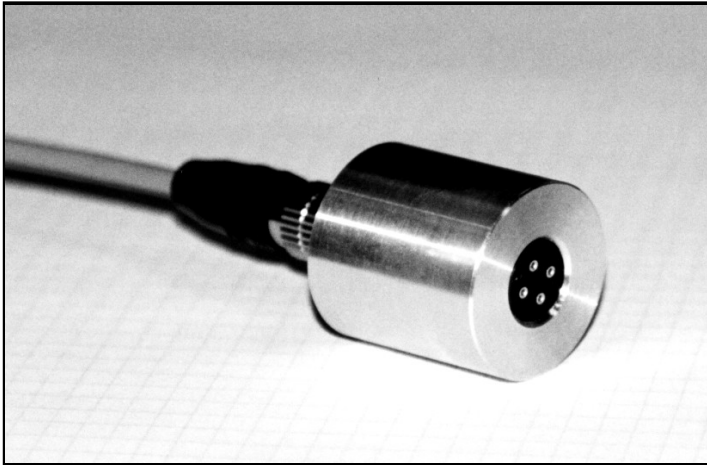




PYPA SERIES PREAMPLIFIER

Especially Configured For Use With Pyroelectric Detectors



Description

The model PYPA series low noise preamplifier has been especially designed for the remote placement and operation of pyroelectric detectors.

The unit is supplied in a 1" diameter by 1" long aluminum housing with a multiconductor-shielded cable. It is configured with a TO5 socket, which will accommodate most standard pinout LTO and DLATGS IR Detectors. The voltage gain is field adjustable from 500 to 5000 with access to the adjustment through a small opening at the rear of the housing.

Applications

- Process Control
- Environmental Monitoring
- Gas Analysis
- Flame Analysis
- Laser Modulation Studies

FTIR

Non-Contact Temperature Measurement

Features

Band pass Selectable from 1 to 10 kHz

Variable Gain (500-5000)

Low Voltage and Current Operation

Specifications

Gain 500-5000

Bandwidth 1Hz. to 10 kHz.
(Factory Set)

Noise See Chart

Operating Voltage ± 5 to ± 18 VDC

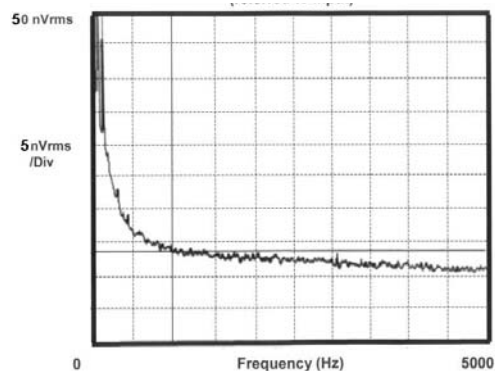
Current <10mA

Operating Temp Range -10 to +60 °C

Storage Temp -30 to +85 °C

Dimensions 1" Dia. 1" Long

Standard Cable 6 ft W/ Tinned
(others available) Leads



PYPA-1253 Noise Response

Microwatt Applications LLC 529, SE Central Parkway, Stuart, FL 34994

Telephone: 772 224 8300 email: info@microwattonline.com www.microwattonline.com

Ordering Information

The PYPA bandwidth (3db) is adjusted at the factory. The high and low pass frequency are implied in the part number (PYPA-HP, X₁, LP, X₂)

You must specify the bandwidth you require.

High Pass Frequency		Low Pass Frequency	
HP	X1	LP	X2
Significant Figure	Exponent	Significant Figure	Exponent

Example:

PYPA-1253 defines a bandwidth of 100 Hz. 5 kHz (typical for the FTIR application)

PYPA-1112 defines a bandwidth of 10 Hz to 100 Hz (typical for the NDIR application)

Options

PYPA PS

Interface Box (includes power supply and cable)

PYPA-CA-Y

Non Standard Cable length (Y = length in feet 10 ft max)

PYPA-CA-BE

Cable with connectors on both ends (for use with Interface box)

Mechanical Outline

