
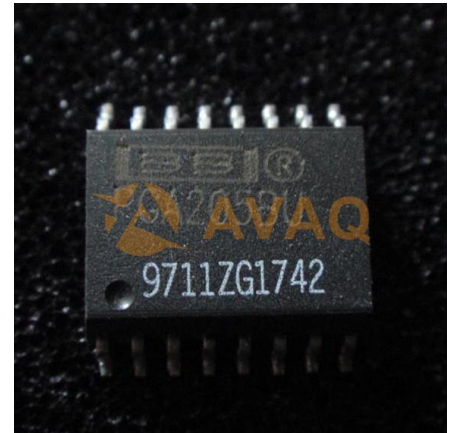


## INST Amp Single $\pm 18V$ 16-Pin SOIC Tube

<b>Manufacturer:</b>	<a href="#">Texas Instruments, Inc</a>
<b>Package/Case:</b>	SOP16
<b>Product Type:</b>	Amplifier ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The PGA204 and PGA205 are low cost, general purpose programmable-gain instrumentation amplifiers offering excellent accuracy. Gains are digitally selected: PGA204—1, 10, 100, 1000, and PGA205—1, 2, 4, 8V/V. The precision and versatility, and low cost of the PGA204 and PGA205 make them ideal for a wide range of applications.

Gain is selected by two TTL or CMOS-compatible address lines, A0 and A1. Internal input protection can withstand up to  $\pm 40V$  on the analog inputs without damage.

The PGA204 and PGA205 are laser trimmed for very low offset voltage ( $50\mu V$ ), drift ( $0.25\mu V/^\circ C$ ) and high common-mode rejection (115dB at  $G=1000$ ). They operate with power supplies as low as  $\pm 4.5V$ , allowing use in battery operated systems. Quiescent current is 5mA.

The PGA204 and PGA205 are available in 16-pin plastic DIP, and SOL-16 surface-mount packages, specified for the  $-3150;40^\circ C$  to  $+85^\circ C$  temperature range.

## Key Features

DIGITALLY PROGRAMMABLE GAIN:  
PGA204: G=1, 10, 100, 1000V/V

PGA205: G=1, 2, 4, 8V/V

LOW OFFSET VOLTAGE: 50 $\mu$ V max

LOW OFFSET VOLTAGE DRIFT: 0.25 $\mu$ V/ $^{\circ}$ C

LOW INPUT BIAS CURRENT: 2nA max

LOW QUIESCENT CURRENT: 5.2mA typ

NO LOGIC SUPPLY REQUIRED

16-PIN PLASTIC DIP, SOL-16 PACKAGES

APPLICATIONS

DATA ACQUISITION SYSTEM

GENERAL PURPOSE ANALOG BOARDS

MEDICAL INSTRUMENTATION



## Recommended For You

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### PGA203KP

Texas Instruments, Inc

DIP

### PGA204AP

Texas Instruments, Inc

DIP

### PGA103U

Texas Instruments, Inc

SOP8

**PGA205AP**

Texas Instruments, Inc

DIP-16

**PGA204BP**

Texas Instruments, Inc

DIP16

**PGA207UA**

Texas Instruments, Inc

SOP16

**PGA206UA**

Texas Instruments, Inc

SOP16

**PGA206U**

Texas Instruments, Inc

SOP

**PGA206PA**

Texas Instruments, Inc

DIP16

**INA129PG4**

Texas Instruments, Inc

DIP

**PGA281AIPW**

Texas Instruments, Inc

TSSOP16

**PGA202KP**

Texas Instruments, Inc

DIP14

**PGA205AU**

Texas Instruments, Inc

SOP16

**THS6053CPWPG4**

Texas Instruments, Inc

14-HTSSOP

**PGA206UAG4**

Texas Instruments, Inc

SOP16