


INST Amp Single R-R O/P $\pm 18V/36V$ 8-Pin SOIC Tube

Manufacturer:	Texas Instruments, Inc
Package/Case:	SOP8
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The INA122 is a precision instrumentation amplifier for accurate, low noise differential signal acquisition. Its two-op-amp design provides excellent performance with very low quiescent current, and is ideal for portable instrumentation and data acquisition systems.

The INA122 can be operated with single power supplies from 2.2V to 36V and quiescent current is a mere 60 μ A. It can also be operated from dual supplies. By utilizing an input level-shift network, input common-mode range extends to 0.1V below negative rail (single supply ground).

A single external resistor sets gain from 5V/V to 1000V/V. Laser trimming provides very low offset voltage (250 μ V max), offset voltage drift (3 μ V/ $^{\circ}$ C max) and excellent common-mode rejection.

Packages options include 8-pin plastic DIP and SO-8 surface-mount packages. Both are specified for the -40 $^{\circ}$ C to +85 $^{\circ}$ C extended industrial temperature range.

Key Features

LOW QUIESCENT CURRENT: 60 μ A

WIDE POWER SUPPLY RANGE

Single Supply: 2.2V to 36V

Dual Supply: -0.9/+1.3V to $\pm 18V$

COMMON-MODE RANGE to (V₋)-0.1V

RAIL-TO-RAIL OUTPUT SWING

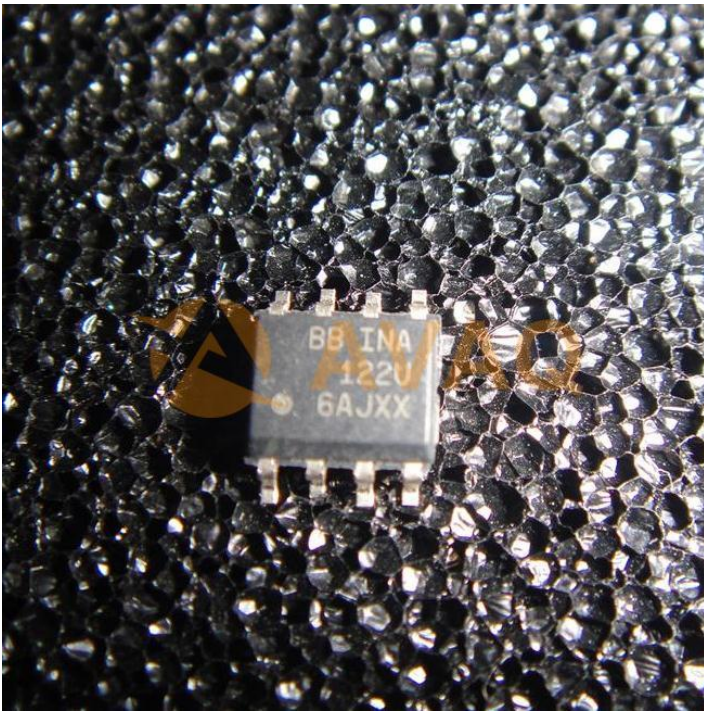
LOW OFFSET VOLTAGE: 250 μ V max

LOW OFFSET DRIFT: 3 μ V/ $^{\circ}$ C max

LOW NOISE: 60nV/sqrt(Hz)

LOW INPUT BIAS CURRENT: 25nA max

8-PIN DIP AND SO-8 SURFACE-MOUNT



Recommended For You

INA823DT

Texas Instruments, Inc
SOP8

INA333AIDRGR

Texas Instruments, Inc
SON-8

INA101AM

Texas Instruments, Inc
CAN10

INA141UA

Texas Instruments, Inc
SOP8

INA111AP

Texas Instruments, Inc
DIP8

INA101AG

Texas Instruments, Inc
DIP

INA116UA

Texas Instruments, Inc
SOP16

INA333AIDRGT

Texas Instruments, Inc
SON8

INA101SM

Texas Instruments, Inc
CAN10

INA129PA

Texas Instruments, Inc
DIP8

INA101CM

Texas Instruments, Inc
CAN10

INA141PA

Texas Instruments, Inc
DIP

TLV2254IN

Texas Instruments, Inc
DIP-14

TLV2464IN

Texas Instruments, Inc
DIP14

INA2126UA

Texas Instruments, Inc
SOP16