


INST Amp Single $\pm 18V$ 8-Pin PDIP Tube

Manufacturer:	Texas Instruments, Inc
Package/Case:	DIP8
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The INA114 is a low cost, general purpose instrumentation amplifier offering excellent accuracy. Its versatile 3-op amp design and small size make it ideal for a wide range of applications.

A single external resistor sets any gain from 1 to 10,000. Internal input protection can withstand up to $\pm 40V$ without damage.

The INA114 is laser trimmed for very low offset voltage ($50\mu V$), drift ($0.25\mu V/^\circ C$) and high common-mode rejection (115dB at $G = 1000$). It operates with power supplies as low as $\pm 2.25V$, allowing use in battery operated and single 5V supply systems. Quiescent current is 3mA maximum.

The INA114 is available in 8-pin plastic and ceramic DIPs, and SOL-16 surface-mount packages, specified for the $-40^\circ C$ to $+85^\circ C$ temperature range.

Key Features

LOW OFFSET VOLTAGE: $50\mu V$ max

LOW DRIFT: $0.25\mu V/^\circ C$ max

LOW INPUT BIAS CURRENT: 2nA max

HIGH COMMON-MODE REJECTION: 115dB min

INPUT OVER-VOLTAGE PROTECTION: $\pm 40V$

WIDE SUPPLY RANGE: ± 2.25 to $\pm 18V$

LOW QUIESCENT CURRENT: 3mA max

8-PIN PLASTIC AND CERAMIC DIP, SOL-16



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