


INST Amp Dual $\pm 18\text{V}/36\text{V}$ 16-Pin SOIC Tube

Manufacturer:	Texas Instruments, Inc
Package/Case:	SOP16
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The INA21x are voltage-output, current-shunt monitors (also called current-sense amplifiers) that are commonly used for overcurrent protection, precision-current measurement for system optimization, or in closed-loop feedback circuits. This series of devices can sense drops across shunts at common-mode voltages from -0.3 V to 26 V , independent of the supply voltage. Six fixed gains are available: 50 V/V , 75 V/V , 100 V/V , 200 V/V , 500 V/V , or 1000 V/V . The low offset of the zero-drift architecture enables current sensing with maximum drops across the shunt as low as 10-mV full-scale.

These devices operate from a single 2.7-V to 26-V power supply, drawing a maximum of $100\text{ }\mu\text{A}$ of supply current. All versions are specified over the extended operating temperature range (-40°C to $+125^\circ\text{C}$), and offered in SC70 and UQFN packages.

Key Features

Low Quiescent Current: $175\text{ }\mu\text{A}/\text{channel}$

Wide Supply Range: $\pm 1.35\text{ V}$ to $\pm 18\text{ V}$

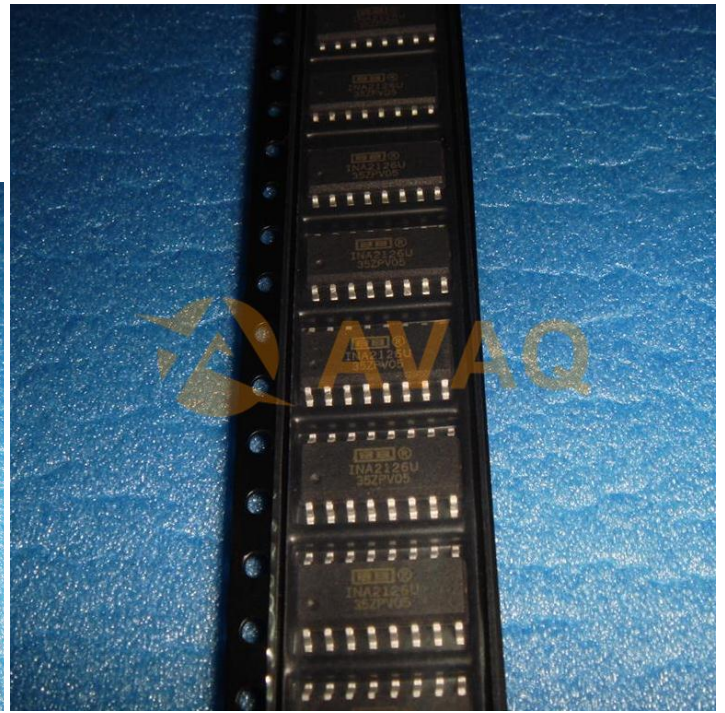
Low Offset Voltage: $250\text{-}\mu\text{V}$ Maximum

Low Offset Drift: $3\text{-}\mu\text{V}/^\circ\text{C}$ Maximum

Low Noise: $35\text{ nV}/\sqrt{\text{Hz}}$

Low Input Bias Current: 25-nA Maximum

8-Pin PDIP, SOIC, VSSOP Surface-Mount Dual: 16-Pin PDIP, SOIC, SSOP



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