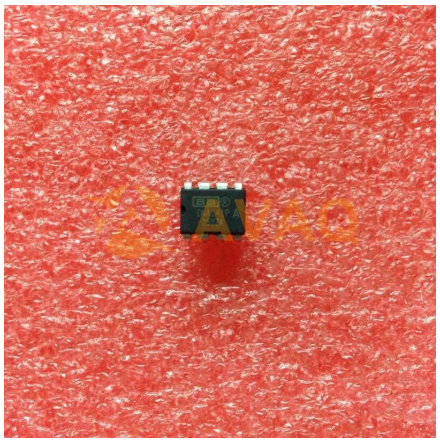
INA141PA

INST Amp Single ±18V 8-Pin PDIP Tube

Manufacturer:	Texas Instruments, Inc
Package/Case:	DIP
Product Type:	Amplifier ICs
Lifecycle:	Obsolete



Images are for reference only

Inquiry

General Description

The INA141 is a low power, 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. Current-feedback input circuitry provides wide bandwidth even at high gain (200kHz at G = 100).
Simple pin connections set an accurate gain of 10 or 100V/V without external resistors. Internal input protection can withstand up to ±40V without damage.
The INA141 is laser trimmed for very low offset voltage (50µV), drift (0.5µV/°C) and high common-mode rejection (117dB at G = 100). It operates with power supplies as low as ±2.25V, and quiescent current is only 750µAideal for battery operated systems.
The INA141 is available in 8-pin plastic DIP, and SO-8 surface-mount packages, specified for the -40°C to +85°C temperature range.

Key Features

LOW OFFSET VOLTAGE: 50µV max

LOW DRIFT: 0.5µV/°C max

ACCURATE GAIN: ±0.05% at G = 10

LOW INPUT BIAS CURRENT: 5nA max

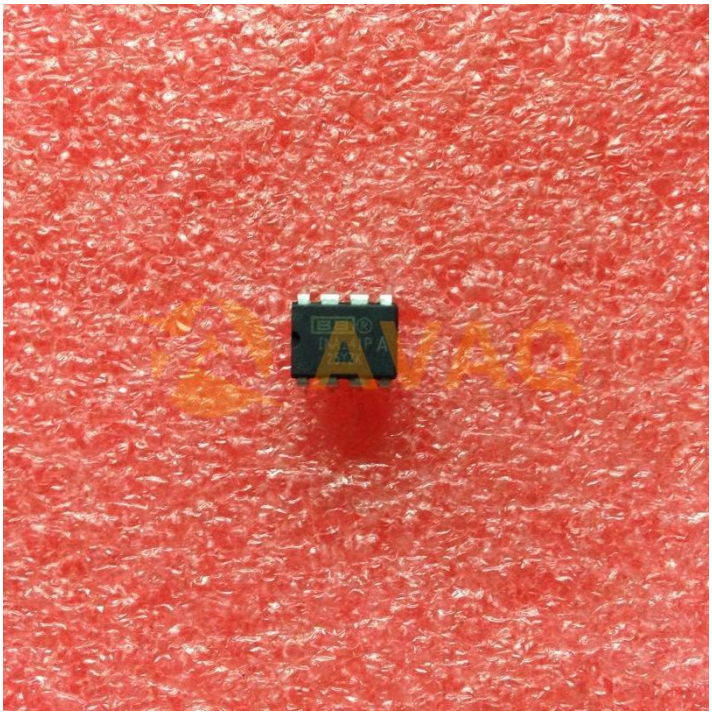
HIGH CMR: 117dB min

INPUTS PROTECTED to ±40V

WIDE SUPPLY RANGE: ±2.25 to ±18V

LOW QUIESCENT CURRENT: 750µa

8-PIN PLASTIC DIP, SO-8



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

TLV2254IN

Texas Instruments, Inc

DIP-14

TLV2464IN

Texas Instruments, Inc

DIP14

INA2126UA

Texas Instruments, Inc

SOP16

INA117P

Texas Instruments, Inc

DIP8