
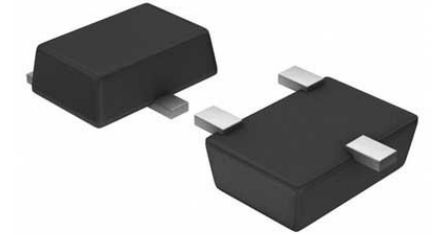


SP Amp Current Shunt Monitor Single 18V 5-Pin SOT-23 T/R

Manufacturer:	Texas Instruments, Inc
Package/Case:	SOT23-5
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The INA193–INA198 family of current shunt monitors with voltage output can sense drops across shunts at common-mode voltages from -16 V to $+80\text{ V}$, independent of the INA19x supply voltage. They are available with three output voltage scales: 20 V/V , 50 V/V , and 100 V/V . The 500 kHz bandwidth simplifies use in current control loops. The INA193–INA195 devices provide identical functions but alternative pin configurations to the INA196–INA198 devices, respectively.

The INA193–INA198 devices operate from a single 2.7-V to 18-V supply, drawing a maximum of $900\text{ }\mu\text{A}$ of supply current. They are specified over the extended operating temperature range (-40°C to $+125^{\circ}\text{C}$), and are offered in a space-saving SOT-23 package.

Key Features

Wide Common-Mode Voltage:
-16 V to +80 V

Low Error: 3.0% Over Temp (maximum)

Bandwidth: Up to 500 kHz

Three Transfer Functions Available: 20 V/V,
50 V/V, and 100 V/V

Quiescent Current: 900 μ A (maximum)

Complete Current Sense Solution

APPLICATIONS

Welding Equipment

Notebook Computers

Cell Phones

Telecom Equipment

Automotive

Power Management

Battery Chargers

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Recommended For You

INA3221AIRGVR

Texas Instruments, Inc
VQFN16

INA200AQDGKRQ1

Texas Instruments, Inc
MSOP8

INA196AIDBVT

Texas Instruments, Inc
SOT23-5

INA220AIDGSR

Texas Instruments, Inc
MSOP10

INA198AQDBVRQ1

Texas Instruments, Inc
SOT23-5

INA228AQDGSRQ1

Texas Instruments, Inc
VSSOP-10

INA237AQDGSRQ1

Texas Instruments, Inc
VSSOP10

INA168QDBVRQ1

Texas Instruments, Inc
SOT23-5

INA226AQDGSRQ1

Texas Instruments, Inc
VSSOP10

INA3221AQRGVRQ1

Texas Instruments, Inc
QFN16

INA195AIDBVR

Texas Instruments, Inc
SOT23-5

INA197AIDBVT

Texas Instruments, Inc
SOT23-5

INA213AQDCKRQ1

Texas Instruments, Inc

SC70-6

INA300AQDGSRQ1

Texas Instruments, Inc

VSSOP-10

INA196AIDBVR

Texas Instruments, Inc

SOT23-5