

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

Manufacturer:	Texas Instruments, Inc	<input type="text" value="INA194AQDBVRQ1 Image"/>
Package/Case:	SOT23-5	Images are for reference only
Product Type:	Amplifier ICs	<input type="button" value="Inquiry"/>
RoHS:	RoHS Compliant/Lead free 	
Lifecycle:	Active	

General Description

The INA19xA-Q1 family of current shunt monitors with voltage output can sense drops across shunts at common-mode voltages from -16 V to 80 V , independent of the INA19xA 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 and monitoring DC motor health. The INA193A–INA195A provide identical functions but alternative pin configurations to the INA196A–INA198A, respectively.

The INA19xA-Q1 operate from a single 2.7-V to 18-V supply. They are specified over the extended operating temperature range (-40°C to 125°C), and are offered in a space-saving SOT-23 package.

Key Features

Qualified for Automotive Applications

Functional Safety-Capable
Documentation available to aid functional safety system design

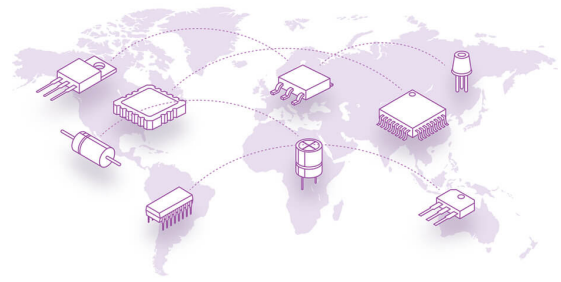
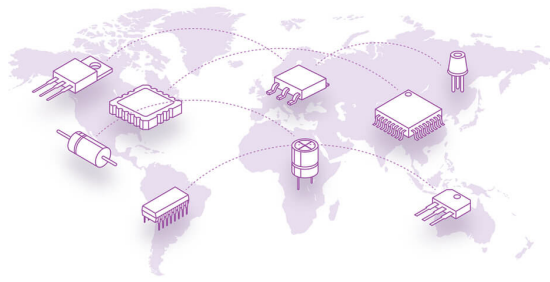
Wide Common-Mode Voltage: -16 V to 80 V

Low Error: 3% Overtemperature (Maximum)

Bandwidth: Up to 500 kHz

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

Complete Current-Sense Solution



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