

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

<b>Manufacturer:</b>	<a href="#">Texas Instruments, Inc</a>	<input type="text" value="INA198AQDBVRQ1 Image"/>
<b>Package/Case:</b>	SOT23-5	Images are for reference only
<b>Product Type:</b>	Amplifier ICs	<input type="button" value="Inquiry"/>
<b>RoHS:</b>	RoHS Compliant/Lead free 	
<b>Lifecycle:</b>	Active	

### General Description

The INA19xA-Q1 family of current shunt monitors with voltage output can sense drops across shunts at common-mode voltages from  $-16\text{ V}$  to  $80\text{ V}$ , independent of the INA19xA supply voltage. They are available with three output voltage scales:  $20\text{ V/V}$ ,  $50\text{ V/V}$ , and  $100\text{ V/V}$ . The  $500\text{-kHz}$  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  $2.7\text{-V}$  to  $18\text{-V}$  supply. They are specified over the extended operating temperature range ( $-40^{\circ}\text{C}$  to  $125^{\circ}\text{C}$ ), and are offered in a space-saving SOT-23 package.

### Key Features

Qualified for Automotive Applications

Wide Common-Mode Voltage:  $-16\text{ V}$  to  $80\text{ V}$

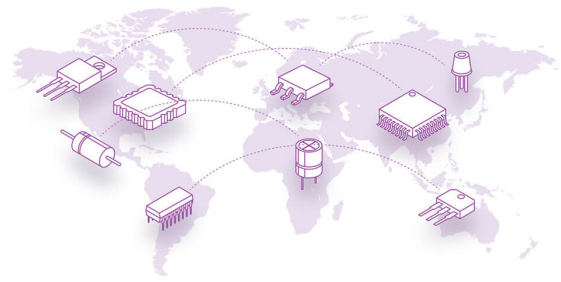
Low Error: 3% Overtemperature (Maximum)

Bandwidth: Up to  $500\text{kHz}$

Three Transfer Functions Available:  $20\text{V/V}$ ,  $50\text{V/V}$ , and  $100\text{V/V}$

Complete Current-Sense Solution

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## Recommended For You

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### **INA3221AIRGVR**

Texas Instruments, Inc  
VQFN16

### **INA200AQDGKRQ1**

Texas Instruments, Inc  
MSOP8

### **INA196AIDBVT**

Texas Instruments, Inc  
SOT23-5

### **INA220AIDGSR**

Texas Instruments, Inc  
MSOP10

### **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

### **INA193AQDBVRQ1**

Texas Instruments, Inc  
SOT23-5