


## Monitor 3V to 5.5V Automotive 10-Pin VSSOP T/R

<b>Manufacturer:</b>	<a href="#">Texas Instruments, Inc</a>
<b>Package/Case:</b>	MSOP10
<b>Product Type:</b>	Power Management ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

## General Description

The INA220 is a current shunt and power monitor with an I<sup>2</sup>C- or SMBUS-compatible interface. The INA220 monitors both shunt drop and supply voltage. A programmable calibration value, combined with an internal multiplier, enables direct readouts in amperes. An additional multiplying register calculates power in watts. The I<sup>2</sup>C- or SMBUS-compatible interface features 16 programmable addresses. The separate shunt input on the INA220 allows it to be used in systems with low-side sensing.

The INA220 is available in two grades: A and B. The B grade version has higher accuracy and higher precision specifications.

The INA220 senses across shunts on buses that can vary from 0 to 26 V, useful for low-side sensing or CPU power supplies. The device uses a single 3- to 5.5-V supply, drawing a maximum of 1 mA of supply current. The INA220 operates from -40°C to 125°C.

## Key Features

High- or Low-Side Sensing

Senses Bus Voltages from 0 V to 26 V

Reports Current, Voltage, and Power

16 Programmable Addresses

High Accuracy: 0.5% (Maximum) Over Temperature (INA220B)

User-Programmable Calibration

Fast (2.56-MHz) I<sup>2</sup>C- or SMBUS-Compatible Interface

VSSOP-10 Package

## APPLICATIONS

Servers

Telecom Equipment

Notebook Computers

Power Management

Battery Chargers

Automotive

Power Supplies

Test Equipment

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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

**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

**INA193AQDBVRQ1**

Texas Instruments, Inc  
SOT23-5