

Monitor 2.7V to 5.5V Automotive 10-Pin VSSOP T/R

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: VSSOP10

Product Type: Power Management ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

INA226AQDGSRQ1 Image

Images are for reference only

[Inquiry](#)

General Description

The INA226 is a current shunt and power monitor with an I2C- or SMBUS-compatible interface. The device monitors both a shunt voltage drop and bus supply voltage. Programmable calibration value, conversion times, and averaging, combined with an internal multiplier, enable direct readouts of current in amperes and power in watts.

The INA226 senses current on common-mode bus voltages that can vary from 0 V to 36 V, independent of the supply voltage. The device operates from a single 2.7-V to 5.5-V supply, drawing a typical of 330 μ A of supply current. The device is specified over the operating temperature range between -40°C and 125°C and features up to 16 programmable addresses on the I2C-compatible interface.

Key Features

AEC-Q100 Qualified With the Following Results:
Device Temperature Grade 1: -40°C to 125°C

Device HBM ESD Classification 2

Device CDM ESD Classification C4B

Senses Bus Voltages From 0 V to 36 V

High-Side or Low-Side Sensing

Reports Current, Voltage, and Power

High Accuracy:
0.1% Gain Error (Max)

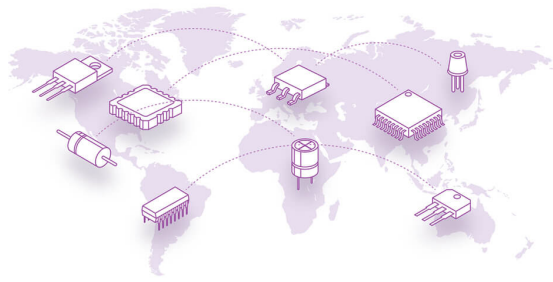
10 μ V Offset (Max)

Configurable Averaging Options

16 Programmable Addresses

Operates from 2.7-V to 5.5-V Power Supply

10-Pin, DGS (VSSOP) Package



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

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