
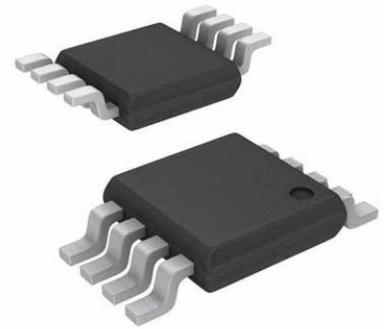


SP Amp Current Sense Amp Single 0V/5.5V 8-Pin TSSOP T/R

Manufacturer:	STMicroelectronics, Inc
Package/Case:	TSSOP-8
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The TSC103 measures a small differential voltage on a high-side shunt resistor and translates it into a ground-referenced output voltage. The gain is adjustable to four different values from 20 V/V up to 100 V/V by two selection pins.

Wide input common-mode voltage range, low quiescent current, and tiny TSSOP8 packaging enable use in a wide variety of applications.

The input common-mode and power-supply voltages are independent. The common-mode voltage can range from 2.9 V to 70 V in the single-supply configuration or be offset by an adjustable voltage supplied on the Vcc- pin in the dual-supply configuration.

With a current consumption lower than 360 μ A and a virtually null input leakage current in standby mode, the power consumption in the applications is minimized.

Key Features

Independent supply and input common-mode voltages

Wide common-mode operating range: 2.9 V to 70 V in single-supply configuration, -2.1 V to 65 V in dual-supply configuration

Wide common-mode surviving range: -16 V to 75 V (reversed battery and load-dump conditions)

Supply voltage range: 2.7 to 5.5 V in single-supply configuration

Low current consumption: I

CC

max = 360 μ A

Pin selectable gain: 20 V/V, 25 V/V, 50 V/V or 100 V/V

Buffered output

Recommended For You

TS3021HLT

STMicroelectronics, Inc
SOT23-5

TS391HLT

STMicroelectronics, Inc
SOT23-5

TS912AIDT

STMicroelectronics, Inc
SOP-8

TSZ121HLT

STMicroelectronics, Inc
SOT23-5

TS3702CDT

STMicroelectronics, Inc
SOP-8

TSX3702IQ2T

STMicroelectronics, Inc
DFN-8

TS881HLT

STMicroelectronics, Inc
SOT23-5

TSV992IYDT

STMicroelectronics, Inc
SOP8

TS3022IYST

STMicroelectronics, Inc
MiniSO-8

TS507CLT

STMicroelectronics, Inc
SOT23-5

TS339IPT

STMicroelectronics, Inc
TSSOP14

TS3021HYLT

STMicroelectronics, Inc
SOT23-5

TSC2010HYDT

STMicroelectronics, Inc
SOIC-8

TS3021HIYLT

STMicroelectronics, Inc
SOT23-5

TS972IDT

STMicroelectronics, Inc
SOP-8