

LOW VOLTAGE PRECISION ADJ

Manufacturers	ON Semiconductor, LLC
Package/Case	SOT-23-3
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for TLV431CSN1T1G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The TLV431 is a three terminal adjustable shunt regulator offering excellent temperature stability and output current handling capability up to 20mA. The output voltage may be set to any chosen voltage between 1.24 and 18 volts by selection of two external divider resistors. The TLV431 can be used as a replacement for zener diodes in many applications requiring an improvement in zener performance. The TLV431 is available in 2 grades with initial tolerances of 1% and 0.5% for the A and B grades respectively.

Features

Low Voltage Operation>

Temperature range -40 to 125°C

Reference Voltage Tolerance at 25°C

0.5%.....TLV431B

1%.....TLV431A

Typical temperature drift

4 mV (0°C to 70°C)

6 mV (-40°C to 85°C)

11mV (-40°C to 125°C)

80μA Minimum cathode current

0.25Ω typical Output Impedance

Adjustable Output Voltage VREF to 18V

Application

ONSEMI



Related Products



[TL431AIDR2G](#)

ON Semiconductor, LLC
SOIC-8



[TL431BYDG](#)

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[TLV431BSNT1G](#)

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TSOP-5