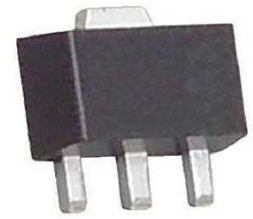


**V-Ref Adjustable 2.495V to 36V 100mA Automotive 4-Pin(3+Tab)  
SOT-89 T/R**



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Texas Instruments, Inc](#)

**Package/Case:** SOT-89-3

**Product Type:** Power Management ICs

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

## General Description

The TL431 and TL432 are adjustable shunt voltage references with guaranteed temperature stability over the entire operating temperature range. The device temperature range is extended for the automotive version from -40 °C up to +125 °C. The output voltage can be set to any value between 2.5 and 36 V with two external resistors. The TL431 and TL432 operate with a wide current range from 1 to 100 mA with a typical dynamic impedance of 0.22 Ω.

## Key Features

AEC-Q100 qualified

Adjustable output voltage: 2.5 to 36 V

Sink current capability: 1 to 100 mA

Typical output impedance: 0.22 Ω

1% and 2% voltage precision

Automotive temp. range - 40 °C to +125 °C

## Recommended For You

### TL2843P

Texas Instruments, Inc

DIP8

### TL431CP

Texas Instruments, Inc

DIP8

### TL7705ACDR

Texas Instruments, Inc

SOP8

### TL3843P

Texas Instruments, Inc

DIP8

### TL497ACN

Texas Instruments, Inc

DIP14

### TL3845P

Texas Instruments, Inc

DIP8

**TL494CD**

Texas Instruments, Inc  
SOP-16

**TL431IDBVR**

Texas Instruments, Inc  
SOT23-5

**TL494CN**

Texas Instruments, Inc  
DIP

**TL431CDBVR**

Texas Instruments, Inc  
SOT23-5

**TL7705ACP**

Texas Instruments, Inc  
DIP8

**TL3842P**

Texas Instruments, Inc  
DIP8

**TLV73325PDBVT**

Texas Instruments, Inc  
SOT23-5

**TLV73333PDBVR**

Texas Instruments, Inc  
SOT23-5

**TL431BIDBZT**

Texas Instruments, Inc  
SOT23-3