



Image may be representation.  
See specifications for product details.



## TL431CZ

Manufacturer Part Number	<b>TL431CZ</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-TL431CZ
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC VREF SHUNT ADJ 2.21% TO92-3
Package	TO-226-3, TO-92-3 (TO-226AA)
Data sheet	<b>TL431 Datasheet.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

TL431CZ - STMicroelectronics.New Original in Stock. Download Linear Technology TL431CZ datasheet/specifications on AllelcoElec.com.  
Request a quote for TL431CZ, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

TL431CZ Tech Specifications  
TL431CZ - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Bulk
Voltage - Output (Min/Fixed)	2.495V	Output Type	Adjustable
Voltage - Output (Max)	36 V	Operating Temperature	0°C ~ 70°C (TA)
Voltage - Input	-	Noise - 10Hz to 10kHz	-
Tolerance	±2.21%	Noise - 0.1Hz to 10Hz	-
Temperature Coefficient	-	Mounting Type	Through Hole
Supplier Device Package	TO-92-3	Current - Supply	-
Series	-	Current - Output	100 mA
Reference Type	Shunt	Current - Cathode	1 mA
Package / Case	TO-226-3, TO-92-3 (TO-226AA)	Base Product Number	TL431

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics TL431CZ

Product Attribute				
Part Number	TL431CZ	<b>TL431CPWR</b>	<b>TL431CZT</b>	<b>TL431CPS</b>
Manufacturer	STMicroelectronics	Texas Instruments	STMicroelectronics	Texas Instruments
Package / Case	TO-226-3, TO-92-3 (TO-226AA)	8-TSSOP (0.173", 4.40mm Width)	TO-226-2, TO-92-2 (TO-226AC)	8-SOIC (0.209", 5.30mm Width)
Mounting Type	Through Hole	Surface Mount	Through Hole	Surface Mount
Voltage - Output (Max)	36 V	36 V	36 V	36 V
Output Type	Adjustable	Adjustable	Adjustable	Adjustable
Noise - 0.1Hz to 10Hz	-	-	-	-
Noise - 10Hz to 10kHz	-	-	-	-
Voltage - Output (Min/Fixed)	2.495V	2.495V	2.495V	2.495V
Reference Type	Shunt	Shunt	Shunt	Shunt
Temperature Coefficient	-	-	-	-
Voltage - Input	-	-	-	-
Current - Output	100 mA	100 mA	100 mA	100 mA
Tolerance	±2.21%	±2.2%	±2.21%	±2%
Current - Supply	-	-	-	-
Package	Bulk	Tape & Reel (TR)	Tape & Reel (TR)	Tube
Supplier Device Package	TO-92-3	8-TSSOP	TO-92-3	8-SO
Series	-	-	-	-
Base Product Number	TL431	TL431	TL431	TL431
Current - Cathode	1 mA	1 mA	1 mA	1 mA
Operating Temperature	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)

### TL431CZ Datasheet PDF

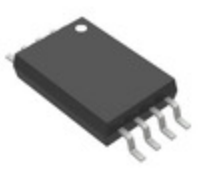
Download TL431CZ pdf datasheets and STMicroelectronics documentation for TL431CZ - STMicroelectronics.

#### HTML Datasheet

[TL431 Datasheet.pdf](#)

### Customers Also Interested in

#### Recommended Products

**TL431CPWR**Texas Instruments  
IC VREF SHUNT ADJ 2.2% 8TSSOP**TL431CZT**STMicroelectronics  
IC VREF SHUNT ADJ 2.21% TO92-3**TL431DR**

AMI Semiconductor/onsemi

**TL431DBVR(T3IS)**

HG

**TL431CSF**

HTC

**TL431CPS**Texas Instruments  
IC VREF SHUNT ADJ 2% 8SO**TL431CTA**

HTC

**TL431CUN**

MO&amp;U/AIC

**TL431CS**

LEADFREE

**TL431DM**

STMicroelectronics

**TL431CUS**

MO&amp;U/AIC

**TL431CZ-AP**STMicroelectronics  
IC VREF SHUNT ADJ 2.21% TO92-3**TL431CZTA**

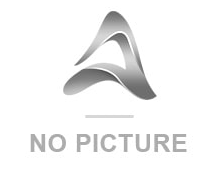
HTC

**TL431CPSR**Texas Instruments  
IC VREF SHUNT ADJ 2.2% 8SO**TL431D**

Texas Instruments

**TL431CPSG4**

Texas Instruments

**TL431CZ-AP**Ampleon USA Inc.  
TL431 -  
SHUNT.VOLTAGE.REFERENCE**TL431CS-HF**

SECORP

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

### Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

## Payment Support

The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,  
PayPal.



## Your Faithful Supply Chain Partner -



Efficient Supply  
Management



Cost-Saving  
Procurement



Fast Sourcing &  
Delivery

Contact us if you have any questions.



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## Certifications & Memberships



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