



### **TL431CDBVR Information**



For Reference Only

Part Number TL431CDBVR

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
PMIC - Voltage Reference

**Description** IC VREF SHUNT ADJ SOT23-5

Package SC-74A, SOT-753

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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# **Certified Quality**

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## **TL431CDBVR Specifications**

Manufacturer Part Number         TL431CDBVR           Manufacturer         Texas Instruments           Category         Integrated Circuits (ICs)           Package         SC-74A, SOT-753           Series         -           Reference Type         Shunt           Output Type         Adjustable           Voltage - Output (Min/Fixed)         2.495V           Voltage - Output (Max)         36V           Current - Output         100mA           Tolerance         ±2.2%           Temperature Coefficient         -           Noise - 0.1Hz to 10Hz         -           Noise - 10Hz to 10kHz         -           Voltage - Input         -           Current - Supply         -           Current - Supply         -           Current - Cathode         ImA           Operating Temperature         0°C ~ 70°C (TA)           Mounting Type         Surface Mount           Package / Case         SC-74A, SOT-753           Supplier Device Package         SOT-23-5		
Category         Integrated Circuits (ICs)           PMIC - Voltage Reference           Package         SC-74A, SOT-753           Series         -           Reference Type         Shunt           Output Type         Adjustable           Voltage - Output (Min/Fixed)         2.495V           Voltage - Output (Max)         36V           Current - Output         100mA           Tolerance         ±2.2%           Temperature Coefficient         -           Noise - 0.1Hz to 10Hz         -           Noise - 10Hz to 10kHz         -           Voltage - Input         -           Current - Supply         -           Current - Cathode         ImA           Operating Temperature         0°C ~ 70°C (TA)           Mounting Type         Surface Mount           Package / Case         SC-74A, SOT-753           Supplier Device Package         SOT-23-5	Manufacturer Part Number	TL431CDBVR
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Reference TypeShuntOutput TypeAdjustableVoltage - Output (Min/Fixed)2.495 VVoltage - Output (Max)36 VCurrent - Output100mATolerance±2.2%Temperature Coefficient-Noise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - CathodeImAOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Package	SC-74A, SOT-753
Output TypeAdjustableVoltage - Output (Min/Fixed)2.495VVoltage - Output (Max)36VCurrent - Output100mATolerance±2.2%Temperature Coefficient-Noise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode1mAOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Series	-
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Current - Output  100mA  Tolerance  ±2.2%  Temperature Coefficient  Noise - 0.1Hz to 10Hz  Noise - 10Hz to 10kHz  - Voltage - Input  - Current - Supply  - Current - Cathode  Operating Temperature  0°C ~ 70°C (TA)  Mounting Type  Package / Case  SC-74A, SOT-753  Supplier Device Package	Reference Type	Shunt
Voltage - Output (Max)  Current - Output  100mA  Tolerance  ±2.2%  Temperature Coefficient  Noise - 0.1Hz to 10Hz  Noise - 10Hz to 10kHz  - Voltage - Input  - Current - Supply  - Current - Cathode  ImA  Operating Temperature  O°C ~ 70°C (TA)  Mounting Type  Surface Mount  Package / Case  SOT-23-5	Output Type	Adjustable
Current - Output 100mA  Tolerance ±2.2%  Temperature Coefficient - Noise - 0.1Hz to 10Hz - Noise - 10Hz to 10kHz - Voltage - Input - Current - Supply - Current - Cathode 1mA Operating Temperature 0°C ~ 70°C (TA) Mounting Type Surface Mount Package / Case SC-74A, SOT-753 Supplier Device Package	Voltage - Output (Min/Fixed)	2.495V
Tolerance ±2.2%  Temperature Coefficient -  Noise - 0.1Hz to 10Hz -  Noise - 10Hz to 10kHz -  Voltage - Input -  Current - Supply -  Current - Cathode ImA  Operating Temperature 0°C ~ 70°C (TA)  Mounting Type Surface Mount  Package / Case SC-74A, SOT-753  Supplier Device Package	Voltage - Output (Max)	36V
Temperature Coefficient  Noise - 0.1Hz to 10Hz  Noise - 10Hz to 10kHz  -  Voltage - Input  -  Current - Supply  -  Current - Cathode  Operating Temperature  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  -  Some and a company of the package of the pack	Current - Output	100mA
Noise - 0.1Hz to 10Hz  Noise - 10Hz to 10kHz  - Voltage - Input  - Current - Supply  - Current - Cathode  ImA  Operating Temperature  0°C ~ 70°C (TA)  Mounting Type  Surface Mount  Package / Case  SC-74A, SOT-753  Supplier Device Package	Tolerance	±2.2%
Noise - 10Hz to 10kHz -  Voltage - Input -  Current - Supply -  Current - Cathode 1mA  Operating Temperature 0°C ~ 70°C (TA)  Mounting Type Surface Mount  Package / Case SC-74A, SOT-753  Supplier Device Package SOT-23-5	Temperature Coefficient	-
Voltage - Input  Current - Supply  - Current - Cathode  ImA  Operating Temperature  0°C ~ 70°C (TA)  Mounting Type  Surface Mount  Package / Case  SC-74A, SOT-753  Supplier Device Package	Noise - 0.1Hz to 10Hz	-
Current - Supply  Current - Cathode  ImA  Operating Temperature  0°C ~ 70°C (TA)  Mounting Type  Surface Mount  Package / Case  SC-74A, SOT-753  Supplier Device Package  SOT-23-5	Noise - 10Hz to 10kHz	-
Current - Cathode1mAOperating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Voltage - Input	-
Operating Temperature0°C ~ 70°C (TA)Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Current - Supply	-
Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Current - Cathode	1mA
Package / Case SC-74A, SOT-753 Supplier Device Package SOT-23-5	Operating Temperature	$0^{\circ}\text{C} \sim 70^{\circ}\text{C} \text{ (TA)}$
Supplier Device Package SOT-23-5	Mounting Type	Surface Mount
	Package / Case	SC-74A, SOT-753
Report errors?	Supplier Device Package	SOT-23-5
		Report errors?

### **TL431CDBVR Guarantees**



#### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

### **TL431CDBVR Payment Methods**



















### **TL431CDBVR Shipping Methods**













If you have any question about TL431CDBVR, please do not hesitate to contact us!

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