



## **TL431BQDBVR Information**



For Reference Only

Part Number TL431BQDBVR

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



Request a Quote

# **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









# **TL431BQDBVR Specifications**

Manufacturer Part Number         TL431BQDBVR           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         ±0.5%           Temperature Coefficient         -           Noise - 0.1Hz to 10Hz         -           Noise - 10Hz to 10kHz         -           Voltage - Input         -           Current - Supply         -           Current - Cathode         700μA           Operating Temperature         40°C ~ 125°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         ±0.5%           Temperature Coefficient         -           Noise - 0.1Hz to 10Hz         -           Noise - 10Hz to 10kHz         -           Voltage - Input         -           Current - Supply         -           Current - Cathode         700µA           Operating Temperature         40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         SC-74A, SOT-753           Supplier Device Package         SOT-23-5	Manufacturer Part Number	TL431BQDBVR
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         ±0.5%           Temperature Coefficient         -           Noise - 0.1Hz to 10Hz         -           Noise - 10Hz to 10kHz         -           Voltage - Input         -           Current - Supply         -           Current - Cathode         700μA           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         SC-74A, SOT-753           Supplier Device Package         SOT-23-5	Manufacturer	Texas Instruments
Package         SC-74A, SOT-753           Series         -           Reference Type         Shunt           Output Type         Adjustable           Voltage - Output (Min/Fixed)         2.495 V           Voltage - Output (Max)         36 V           Current - Output         100mA           Tolerance         ±0.5%           Temperature Coefficient         -           Noise - 0.1Hz to 10Hz         -           Noise - 10Hz to 10kHz         -           Voltage - Input         -           Current - Supply         -           Current - Cathode         700μA           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         SC-74A, SOT-753           Supplier Device Package         SOT-23-5	Category	Integrated Circuits (ICs)
Series         -           Reference Type         Shunt           Output Type         Adjustable           Voltage - Output (Min/Fixed)         2.495 V           Voltage - Output (Max)         36 V           Current - Output         100mA           Tolerance         ±0.5%           Temperature Coefficient         -           Noise - 0.1Hz to 10Hz         -           Noise - 10Hz to 10kHz         -           Voltage - Input         -           Current - Supply         -           Current - Cathode         700μA           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         SC-74A, SOT-753           Supplier Device Package         SOT-23-5		PMIC - Voltage Reference
Reference Type         Shunt           Output Type         Adjustable           Voltage - Output (Min/Fixed)         2.495 V           Voltage - Output (Max)         36 V           Current - Output         100mA           Tolerance         ±0.5%           Temperature Coefficient         -           Noise - 0.1Hz to 10Hz         -           Noise - 10Hz to 10kHz         -           Voltage - Input         -           Current - Supply         -           Current - Cathode         700μA           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         SC-74A, SOT-753           Supplier Device Package         SOT-23-5	Package	SC-74A, SOT-753
Output TypeAdjustableVoltage - Output (Min/Fixed)2.495VVoltage - Output (Max)36VCurrent - Output100mATolerance±0.5%Temperature Coefficient-Noise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode700μAOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Series	-
Voltage - Output (Min/Fixed)2.495 VVoltage - Output (Max)36 VCurrent - Output100mATolerance±0.5%Temperature Coefficient-Noise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode700μAOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Reference Type	Shunt
Voltage - Output (Max)36VCurrent - Output100mATolerance±0.5%Temperature Coefficient-Noise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode700μAOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Output Type	Adjustable
Current - Output       100mA         Tolerance       ±0.5%         Temperature Coefficient       -         Noise - 0.1Hz to 10Hz       -         Noise - 10Hz to 10kHz       -         Voltage - Input       -         Current - Supply       -         Current - Cathode       700μA         Operating Temperature       -40°C ~ 125°C (TA)         Mounting Type       Surface Mount         Package / Case       SC-74A, SOT-753         Supplier Device Package       SOT-23-5	Voltage - Output (Min/Fixed)	2.495V
Tolerance ±0.5%  Temperature Coefficient -  Noise - 0.1Hz to 10Hz -  Noise - 10Hz to 10kHz -  Voltage - Input -  Current - Supply -  Current - Cathode 700μA  Operating Temperature -40°C ~ 125°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	Current - Output	100mA
Noise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode700μAOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Tolerance	±0.5%
Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode700μAOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Temperature Coefficient	-
Voltage - Input-Current - Supply-Current - Cathode $700\mu$ AOperating Temperature $-40^{\circ}$ C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Noise - 0.1Hz to 10Hz	-
Current - Supply-Current - Cathode $700\mu A$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ (TA)Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Supplier Device PackageSOT-23-5	Noise - 10Hz to 10kHz	-
Current - Cathode $700\mu A$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ (TA)  Mounting Type Surface Mount  Package / Case SC-74A, SOT-753  Supplier Device Package SOT-23-5	Voltage - Input	-
Operating Temperature -40°C ~ 125°C (TA)  Mounting Type Surface Mount  Package / Case SC-74A, SOT-753  Supplier Device Package SOT-23-5	Current - Supply	-
Mounting Type Surface Mount Package / Case SC-74A, SOT-753 Supplier Device Package SOT-23-5	Current - Cathode	700μΑ
Package / Case SC-74A, SOT-753 Supplier Device Package SOT-23-5	Operating Temperature	-40°C ~ 125°C (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 circles.		Report errors?

### **TL431BQDBVR 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.

### **TL431BQDBVR Payment Methods**



















### **TL431BQDBVR Shipping Methods**













If you have any question about TL431BQDBVR, please do not hesitate to contact us!

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