



TLV431BQDBVRE4 Information



For Reference Only

Part Number TLV431BQDBVRE4

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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TLV431BQDBVRE4 Specifications

| Manufacturer Part Number TLV431BQDBVRE4 Manufacturer Texas Instruments Category Integrated Circuits (ICs) Package SC-74A, SOT-753 Series - Reference Type Shunt Output Type Adjustable Voltage - Output (Min/Fixed) 1.24V Voltage - Output (Max) 6V Current - Output 15mA Temperature Coefficient - Noise - 0.1Hz to 10Hz - Noise - 10Hz to 10kHz - Voltage - Input - Current - Supply - Current - Cathode 100μA Operating Temperature -40°C ~ 125°C (TA) | | |
|--|------------------------------|---------------------------|
| Category Integrated Circuits (ICs) PMIC - Voltage Reference Package SC-74A, SOT-753 Series - Reference Type Shunt Output Type Adjustable Voltage - Output (Min/Fixed) 1.24V Voltage - Output (Max) 6V Current - Output 15mA Tolerance ±0.5% Temperature Coefficient - Noise - 0.1Hz to 10Hz - Noise - 10Hz to 10kHz - Voltage - Input - Current - Supply - Current - Cathode 100μA Operating Temperature -40°C ~ 125°C (TA) | Manufacturer Part Number | TLV431BQDBVRE4 |
| PackageSC-74A, SOT-753Series-Reference TypeShuntOutput TypeAdjustableVoltage - Output (Min/Fixed)1.24VVoltage - Output (Max)6VCurrent - Output15mATolerance±0.5%Temperature Coefficient-Noise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode100μAOperating Temperature-40°C ~ 125°C (TA) | Manufacturer | Texas Instruments |
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| Series - Reference Type Shunt Output Type Adjustable Voltage - Output (Min/Fixed) 1.24V Voltage - Output (Max) 6V Current - Output 15mA Tolerance ±0.5% Temperature Coefficient - Noise - 0.1Hz to 10Hz - Noise - 10Hz to 10kHz - Voltage - Input - Current - Supply - Current - Cathode 100μA Operating Temperature -40°C ~ 125°C (TA) | | PMIC - Voltage Reference |
| Reference TypeShuntOutput TypeAdjustableVoltage - Output (Min/Fixed)1.24VVoltage - Output (Max)6VCurrent - Output15mATolerance±0.5%Temperature Coefficient-Noise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode100μAOperating Temperature-40°C ~ 125°C (TA) | Package | SC-74A, SOT-753 |
| Output Type Voltage - Output (Min/Fixed) Voltage - Output (Max) 6V Current - Output Tolerance ±0.5% Temperature Coefficient Noise - 0.1Hz to 10Hz Noise - 10Hz to 10kHz Voltage - Input Current - Supply Current - Supply Current - Cathode Operating Temperature 4 Adjustable 1.24V Adjustable Adjustable | Series | - |
| Voltage - Output (Min/Fixed) 1.24V Voltage - Output (Max) 6V Current - Output 15mA Tolerance ±0.5% Temperature Coefficient - Noise - 0.1Hz to 10Hz - Noise - 10Hz to 10kHz - Voltage - Input - Current - Supply - Current - Cathode 100μA Operating Temperature -40°C ~ 125°C (TA) | Reference Type | Shunt |
| Voltage - Output (Max) 6V Current - Output 15mA Tolerance ±0.5% Temperature Coefficient - Noise - 0.1Hz to 10Hz - Noise - 10Hz to 10kHz - Voltage - Input - Current - Supply - Current - Cathode 100μA Operating Temperature -40°C ~ 125°C (TA) | Output Type | Adjustable |
| Current - Output 15mA Tolerance $\pm 0.5\%$ Temperature Coefficient - Noise - 0.1Hz to 10Hz - Noise - 10Hz to 10kHz - Voltage - Input - Current - Supply - Current - Cathode 100 μ A Operating Temperature -40°C ~ 125°C (TA) | Voltage - Output (Min/Fixed) | 1.24V |
| Tolerance $\pm 0.5\%$ Temperature Coefficient-Noise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode100μAOperating Temperature-40°C ~ 125°C (TA) | Voltage - Output (Max) | 6V |
| Temperature Coefficient - Noise - 0.1Hz to 10Hz - Noise - 10Hz to 10kHz Noise - 10Hz to 10kHz Voltage - Input Current - Supply Current - Cathode 100 μ A Operating Temperature -40°C ~ 125°C (TA) | Current - Output | 15mA |
| Noise - 0.1Hz to 10Hz - Noise - 10Hz to 10kHz - Voltage - Input - Current - Supply - Current - Cathode 100μA Operating Temperature -40°C ~ 125°C (TA) | Tolerance | ±0.5% |
| Noise - 10Hz to 10kHz - Voltage - Input - Current - Supply - Current - Cathode 100 μ A Operating Temperature -40°C ~ 125°C (TA) | Temperature Coefficient | - |
| Voltage - Input-Current - Supply-Current - Cathode $100\mu A$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ (TA) | Noise - 0.1Hz to 10Hz | - |
| Current - Supply-Current - Cathode $100\mu A$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ (TA) | Noise - 10Hz to 10kHz | - |
| Current - Cathode $100\mu A$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ (TA) | Voltage - Input | - |
| Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$ | Current - Supply | - |
| | Current - Cathode | 100μΑ |
| | Operating Temperature | -40°C ~ 125°C (TA) |
| Mounting Type Surface Mount | Mounting Type | Surface Mount |
| Package / Case SC-74A, SOT-753 | Package / Case | SC-74A, SOT-753 |
| Supplier Device Package SOT-23-5 | Supplier Device Package | SOT-23-5 |
| Report errors? | | Report errors? |

TLV431BQDBVRE4 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.

TLV431BQDBVRE4 Payment Methods



















TLV431BQDBVRE4 Shipping Methods













If you have any question about TLV431BQDBVRE4, please do not hesitate to contact us!

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