



## **TL431BILPRE3 Information**



For Reference Only

Part Number TL431BILPRE3

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
PMIC - Voltage Reference

**Description** IC VREF SHUNT ADJ TO92-3

Package TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)

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**

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.









## **TL431BILPRE3 Specifications**

| Manufacturer Part Number         TL431BILPRE3           Manufacturer         Texas Instruments           Category         Integrated Circuits (ICs)           PMIC - Voltage Reference           Package         TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)           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 ~ 85°C (TA)           Mounting Type         Through Hole           Package / Case         TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)           Supplier Device Package         TO-92-3 |                              |   |                |
|--|------------------------------|---|----------------|
| Category         Integrated Circuits (ICs)           PMIC - Voltage Reference           Package         TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)           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 ~ 85°C (TA)           Mounting Type         Through Hole           Package / Case         TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)           Supplier Device Package         TO-92-3  | Manufacturer Part Number     | TL431BILPRE3                                |                |
| Package         TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)           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 ~ 85°C (TA)           Mounting Type         Through Hole           Package / Case         TO-92-3 (TO-92-3 (TO-226AA) (Formed Leads)           Supplier Device Package         TO-92-3   | Manufacturer                 | Texas Instruments                           |                |
| Package         TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)           Series         -           Reference Type         Shunt           Output Type         Adjustable           Voltage - Output (Min/Fixed)         2.495 V           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 ~ 85°C (TA)           Mounting Type         Through Hole           Package / Case         TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)           Supplier Device Package         TO-92-3   | 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 ~ 85°C (TA)           Mounting Type         Through Hole           Package / Case         TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)           Supplier Device Package         TO-92-3  |                              | PMIC - Voltage Reference                    |                |
| Reference TypeShuntOutput TypeAdjustableVoltage - 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 ~ 85°C (TA)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3  | Package                      | TO-226-3, TO-92-3 (TO-226AA) (Formed Leads) |                |
| 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 ~ 85°C (TA)  Mounting Type Through Hole  Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package  | Series                       | -   |                |
| Voltage - Output (Min/Fixed)  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 ~ 85°C (TA)  Mounting Type  Package / Case  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package  | Reference Type               | Shunt                                       |                |
| Voltage - Output (Max)  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 ~ 85°C (TA)  Mounting Type Through Hole  Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package  | 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 ~ 85°C (TA)         Mounting Type       Through Hole         Package / Case       TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)         Supplier Device Package       TO-92-3  | 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 ~ 85°C (TA)  Mounting Type Through Hole  Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  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  Package / Case  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package   | Current - Output             | 100mA                                       |                |
| Noise - 0.1Hz to 10Hz  Noise - 10Hz to 10kHz  - Voltage - Input  - Current - Supply  - Current - Cathode  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package  | Tolerance                    | ±0.5%                                       |                |
| Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode700μAOperating Temperature-40°C ~ 85°C (TA)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3  | Temperature Coefficient      | -   |                |
| Voltage - Input-Current - Supply-Current - Cathode $700\mu$ AOperating Temperature $-40^{\circ}$ C ~ 85°C (TA)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3   | Noise - 0.1Hz to 10Hz        | -   |                |
| Current - Supply-Current - Cathode $700\mu A$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ (TA)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA) (Formed Leads)Supplier Device PackageTO-92-3   | Noise - 10Hz to 10kHz        | -   |                |
| Current - Cathode $700\mu A$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ (TA)  Mounting Type Through Hole  Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package TO-92-3   | Voltage - Input              | -   |                |
| Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA) (Formed Leads)  Supplier Device Package  TO-92-3   | Current - Supply             | -   |                |
| Mounting Type Through Hole Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads) Supplier Device Package TO-92-3  | Current - Cathode            | 700μΑ                                       |                |
| Package / Case TO-226-3, TO-92-3 (TO-226AA) (Formed Leads) Supplier Device Package TO-92-3   | Operating Temperature        | -40°C ~ 85°C (TA)                           |                |
| Supplier Device Package TO-92-3  | Mounting Type                | Through Hole                                |                |
|  | Package / Case               | TO-226-3, TO-92-3 (TO-226AA) (Formed Leads) |                |
| Report errors?   | Supplier Device Package      | TO-92-3                                     |                |
|  |                              |   | Report errors? |

### **TL431BILPRE3 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.

# **TL431BILPRE3 Payment Methods**



















## **TL431BILPRE3 Shipping Methods**













If you have any question about TL431BILPRE3, please do not hesitate to contact us!

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