



#### **TLVH431ILPE3 Information**



For Reference Only

Part Number TLVH431ILPE3

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)

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.









## **TLVH431ILPE3 Specifications**

Manufacturer Part Number         TLVH431ILPE3           Manufacturer         Texas Instruments           Category         Integrated Circuits (ICs)           PMIC - Voltage Reference           Package         TO-226-3, TO-92-3 (TO-226AA)           Series         -           Reference Type         Shunt           Output Type         Adjustable           Voltage - Output (Min/Fixed)         1.24V           Voltage - Output (Max)         18V           Current - Output         70mA           Tolerance         ±1.5%           Temperature Coefficient         -           Noise - 0.1Hz to 10Hz         -           Noise - 10Hz to 10kHz         -           Voltage - Input         -           Current - Supply         -           Current - Cathode         100µA           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Through Hole           Package / Case         TO-226-3, TO-92-3 (TO-226AA)           Supplier Device Package         TO-92-3		
Category         Integrated Circuits (ICs)           PMIC - Voltage Reference           Package         TO-226-3, TO-92-3 (TO-226AA)           Series         -           Reference Type         Shunt           Output Type         Adjustable           Voltage - Output (Min/Fixed)         1.24V           Voltage - Output (Max)         18V           Current - Output         70mA           Tolerance         ±1.5%           Temperature Coefficient         -           Noise - 0.1Hz to 10Hz         -           Noise - 10Hz to 10kHz         -           Voltage - Input         -           Current - Supply         -           Current - Cathode         100µA           Operating Temperature         40°C ~ 85°C (TA)           Mounting Type         Through Hole           Package / Case         TO-226-3, TO-92-3 (TO-226AA)           Supplier Device Package         TO-92-3	Manufacturer Part Number	TLVH431ILPE3
Package         TO-226-3, TO-92-3 (TO-226AA)           Series         -           Reference Type         Shunt           Output Type         Adjustable           Voltage - Output (Min/Fixed)         1.24V           Voltage - Output (Max)         18V           Current - Output         70mA           Tolerance         ±1.5%           Temperature Coefficient         -           Noise - 0.1Hz to 10Hz         -           Noise - 10Hz to 10kHz         -           Voltage - Input         -           Current - Supply         -           Current - Cathode         100μA           Operating Temperature         40°C ~ 85°C (TA)           Mounting Type         Through Hole           Package / Case         TO-92-3 (TO-226AA)           Supplier Device Package         TO-92-3	Manufacturer	Texas Instruments
Package         TO-226-3, TO-92-3 (TO-226AA)           Series         -           Reference Type         Shunt           Output Type         Adjustable           Voltage - Output (Min/Fixed)         1.24V           Voltage - Output (Max)         18V           Current - Output         70mA           Tolerance         ±1.5%           Temperature Coefficient         -           Noise - 0.1Hz to 10Hz         -           Noise - 10Hz to 10kHz         -           Voltage - Input         -           Current - Supply         -           Current - Cathode         100μA           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Through Hole           Package / Case         TO-226-3, TO-92-3 (TO-226AA)           Supplier Device Package         TO-92-3	Category	Integrated Circuits (ICs)
Series         -           Reference Type         Shunt           Output Type         Adjustable           Voltage - Output (Min/Fixed)         1.24V           Voltage - Output (Max)         18V           Current - Output         70mA           Tolerance         ±1.5%           Temperature Coefficient         -           Noise - 0.1Hz to 10Hz         -           Noise - 10Hz to 10kHz         -           Voltage - Input         -           Current - Supply         -           Current - Cathode         100μA           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Through Hole           Package / Case         TO-226-3, TO-92-3 (TO-226AA)           Supplier Device Package         TO-92-3		PMIC - Voltage Reference
Reference Type         Shunt           Output Type         Adjustable           Voltage - Output (Min/Fixed)         1.24V           Voltage - Output (Max)         18V           Current - Output         70mA           Tolerance         ±1.5%           Temperature Coefficient         -           Noise - 0.1Hz to 10Hz         -           Noise - 10Hz to 10kHz         -           Voltage - Input         -           Current - Supply         -           Current - Cathode         100µA           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Through Hole           Package / Case         TO-226-3, TO-92-3 (TO-226AA)           Supplier Device Package         TO-92-3	Package	TO-226-3, TO-92-3 (TO-226AA)
Output TypeAdjustableVoltage - Output (Min/Fixed)1.24VVoltage - Output (Max)18VCurrent - Output70mATolerance±1.5%Temperature Coefficient-Noise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode100μAOperating Temperature-40°C ~ 85°C (TA)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3	Series	-
Voltage - Output (Min/Fixed)1.24VVoltage - Output (Max)18VCurrent - Output70mATolerance±1.5%Temperature Coefficient-Noise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode100μAOperating Temperature-40°C ~ 85°C (TA)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3	Reference Type	Shunt
Voltage - Output (Max)18VCurrent - Output70mATolerance±1.5%Temperature Coefficient-Noise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode100μAOperating Temperature-40°C ~ 85°C (TA)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3	Output Type	Adjustable
Current - Output       70mA         Tolerance       ±1.5%         Temperature Coefficient       -         Noise - 0.1Hz to 10Hz       -         Noise - 10Hz to 10kHz       -         Voltage - Input       -         Current - Supply       -         Current - Cathode       100μA         Operating Temperature       -40°C ~ 85°C (TA)         Mounting Type       Through Hole         Package / Case       TO-226-3, TO-92-3 (TO-226AA)         Supplier Device Package       TO-92-3	Voltage - Output (Min/Fixed)	1.24V
Tolerance ±1.5%  Temperature Coefficient - Noise - 0.1Hz to 10Hz - Noise - 10Hz to 10kHz - Voltage - Input - Current - Supply - Current - Cathode 100μA Operating Temperature -40°C ~ 85°C (TA) Mounting Type Through Hole Package / Case TO-226-3, TO-92-3 (TO-226AA) Supplier Device Package	Voltage - Output (Max)	18V
Temperature Coefficient  Noise - 0.1Hz to 10Hz  Noise - 10Hz to 10kHz  Voltage - Input  - Current - Supply  Current - Cathode  Operating Temperature  Mounting Type  Through Hole  Package / Case  TO-226-3, TO-92-3 (TO-226AA)  TO-92-3	Current - Output	70mA
Noise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode100μAOperating Temperature-40°C ~ 85°C (TA)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3	Tolerance	$\pm 1.5\%$
Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode100μAOperating Temperature-40°C ~ 85°C (TA)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3	Temperature Coefficient	-
Voltage - Input-Current - Supply-Current - Cathode100μAOperating Temperature-40°C ~ 85°C (TA)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3	Noise - 0.1Hz to 10Hz	-
Current - Supply-Current - Cathode $100\mu A$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ (TA)Mounting TypeThrough HolePackage / CaseTO-226-3, TO-92-3 (TO-226AA)Supplier Device PackageTO-92-3	Noise - 10Hz to 10kHz	-
Current - Cathode $100\mu A$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ (TA)  Mounting Type Through Hole  Package / Case TO-226-3, TO-92-3 (TO-226AA)  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)  Supplier Device Package  TO-92-3	Current - Supply	-
Mounting Type Through Hole Package / Case TO-226-3, TO-92-3 (TO-226AA) Supplier Device Package TO-92-3	Current - Cathode	100μΑ
Package / Case TO-226-3, TO-92-3 (TO-226AA) 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)
Report errors?	Supplier Device Package	TO-92-3
		Report errors?

#### **TLVH431ILPE3 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.

## **TLVH431ILPE3 Payment Methods**



















### **TLVH431ILPE3 Shipping Methods**













If you have any question about TLVH431ILPE3, please do not hesitate to contact us!

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