



### **LM431BIM3 Information**



For Reference Only

Part Number LM431BIM3

Manufacturer Texas Instruments

Category Integrated Circuits (ICs)
PMIC - Voltage Reference

**Description**IC VREF SHUNT ADJ SOT23-3**Package**TO-236-3, SC-59, SOT-23-3

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.









### **LM431BIM3 Specifications**

Manufacturer Part Number         LM431BIM3           Manufacturer         Texas Instruments           Category         Integrated Circuits (ICs)           Package         TO-236-3, SC-59, SOT-23-3           Series         -           Reference Type         Shunt           Output Type         Adjustable           Voltage - Output (Min/Fixed)         2.495V           Voltage - Output (Max)         37V           Current - Output         100mA           Tolerance         ±1%           Temperature Coefficient         50ppm/°C Typical           Noise - 0.Hz to 10Hz         -           Noise - 10Hz to 10kHz         -           Voltage - Input         -           Current - Supply         -           Current - Cathode         ImA           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23-3		
Category         Integrated Circuits (ICs)           PMIC - Voltage Reference           Package         TO-236-3, SC-59, SOT-23-3           Series         -           Reference Type         Shunt           Output Type         Adjustable           Voltage - Output (Min/Fixed)         2.495V           Voltage - Output (Max)         37V           Current - Output         100mA           Tolerance         ±1%           Temperature Coefficient         50ppm/°C Typical           Noise - 0.1Hz to 10Hz         -           Noise - 10Hz to 10kHz         -           Voltage - Input         -           Current - Supply         -           Current - Cathode         ImA           Operating Temperature         -40°C ~ 85°C (TA)           Mounting Type         Surface Mount           Package / Case         TO-236-3, SC-59, SOT-23-3           Supplier Device Package         SOT-23-3	Manufacturer Part Number	LM431BIM3
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Reference TypeShuntOutput TypeAdjustableVoltage - Output (Min/Fixed)2.495 VVoltage - Output (Max)37 VCurrent - Output100mATolerance±1%Temperature Coefficient50ppm/°C TypicalNoise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - CathodeImAOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Package	TO-236-3, SC-59, SOT-23-3
Output TypeAdjustableVoltage - Output (Min/Fixed)2.495 VVoltage - Output (Max)37 VCurrent - Output100mATolerance±1%Temperature Coefficient50ppm/°C TypicalNoise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - CathodeImAOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Series	-
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Current - Output  100mA  Tolerance  ±1%  Temperature Coefficient  Noise - 0.1Hz to 10Hz  Noise - 10Hz to 10kHz  Voltage - Input  Current - Supply  Current - Cathode  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Package / Case  SUPPlier Device Package  2495V  2495V  37V  2495V  2495V  37V  2495V  37V  37V  37V  37V  40mA  37V  50ppm/°C Typical	Reference Type	Shunt
Voltage - Output (Max)37VCurrent - Output100mATolerance±1%Temperature Coefficient50ppm/°C TypicalNoise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - CathodeImAOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Output Type	Adjustable
Current - Output  Tolerance  ±1%  Temperature Coefficient  Noise - 0.1Hz to 10Hz  Noise - 10Hz to 10kHz  - Noise - 10Hz to 10kHz  - Voltage - Input  - Current - Supply  - Current - Cathode  Operating Temperature  Mounting Type  Surface Mount  Package / Case  Supplier Device Package  100mA  50pmA  50pm/°C Typical	Voltage - Output (Min/Fixed)	2.495V
Tolerance ±1% Temperature Coefficient 50ppm/°C Typical  Noise - 0.1Hz to 10Hz -  Noise - 10Hz to 10kHz -  Voltage - Input -  Current - Supply -  Current - Cathode ImA  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package	Voltage - Output (Max)	37V
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  50ppm/°C Typical  - 40  ImA  - 40  Supplier Device Package  SOT-23-3	Current - Output	100mA
Noise - 0.1Hz to 10Hz  Noise - 10Hz to 10kHz  Voltage - Input  Current - Supply  -Current - Cathode  ImA  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package	Tolerance	±1%
Noise - 10Hz to 10kHz -  Voltage - Input -  Current - Supply -  Current - Cathode 1mA  Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package SOT-23-3	Temperature Coefficient	50ppm/°C Typical
Voltage - Input  Current - Supply  - Current - Cathode  ImA  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package	Noise - 0.1Hz to 10Hz	-
Current - Supply  Current - Cathode  ImA  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Surface Mount  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package	Noise - 10Hz to 10kHz	-
Current - Cathode $1 \text{mA}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23-3	Voltage - Input	-
Operating Temperature -40°C ~ 85°C (TA)  Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package SOT-23-3	Current - Supply	-
Mounting Type Surface Mount Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package SOT-23-3	Current - Cathode	1mA
Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package SOT-23-3	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package SOT-23-3	Mounting Type	Surface Mount
	Package / Case	TO-236-3, SC-59, SOT-23-3
Report errors?	Supplier Device Package	SOT-23-3
		Report errors?

#### **LM431BIM3 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.

# **LM431BIM3 Payment Methods**



















### **LM431BIM3 Shipping Methods**













If you have any question about LM431BIM3, please do not hesitate to contact us!

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