



TLV431AQE5TA Information



For Reference Only

Part Number TLV431AQE5TA

Manufacturer Diodes Incorporated

Category Integrated Circuits (ICs)
PMIC - Voltage Reference

Description IC VREF SHUNT ADJ SOT25

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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Certified Quality

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TLV431AQE5TA Specifications

Manufacturer Part Number TLV431AQESTA Manufacturer Diodes Incorporated Category Integrated Circuits (ICs) PACKAGE SC-74A, SOT-753 Series Automotive, AEC-Q100 Reference Type Shunt Output Type Adjustable Voltage - Output (Min/Fixed) 1.24V Voltage - Output (Max) 18V Current - Output 15mA Tolerance ±1% Temperature Coefficient 150ppm/°C Noise - 0.1Hz to 10Hz - Noise - 10Hz to 10kHz - Voltage - Input - Current - Supply - Current - Cathode 100μA Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SC-74A, SOT-753 Supplier Device Package SOT-25		
Category Integrated Circuits (ICs) PMIC - Voltage Reference Package SC-74A, SOT-753 Series Automotive, AEC-Q100 Reference Type Shunt Output Type Adjustable Voltage - Output (Min/Fixed) 1.24V Voltage - Output (Max) 18V Current - Output 1.5mA Tolerance ±1% Temperature Coefficient 150ppm/°C Noise - 0.1Hz to 10Hz - Noise - 10Hz to 10kHz - Voltage - Input - Current - Supply - Current - Cathode 100µA Operating Temperature 40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SC-74A, SOT-753 Supplier Device Package SOT-25	Manufacturer Part Number	TLV431AQE5TA
Package SC-74A, SOT-753 Series Automotive, AEC-Q100 Reference Type Shunt Output Type Adjustable Voltage - Output (Min/Fixed) 1.24V Voltage - Output (Max) 18V Current - Output 15mA Tolerance ±1% Temperature Coefficient 150ppm/°C Noise - 0.1Hz to 10Hz - Noise - 10Hz to 10kHz - Voltage - Input - Current - Supply - Current - Cathode 100μA Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SC-74A, SOT-753 Supplier Device Package SOT-25	Manufacturer	Diodes Incorporated
Package SC-74A, SOT-753 Series Automotive, AEC-Q100 Reference Type Shunt Output Type Adjustable Voltage - Output (Min/Fixed) 1.24V Voltage - Output (Max) 18V Current - Output 15mA Tolerance ±1% Temperature Coefficient 150ppm/°C Noise - 0.1Hz to 10Hz - Noise - 10Hz to 10kHz - Voltage - Input - Current - Supply - Current - Cathode 100μA Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SC-74A, SOT-753 Supplier Device Package SOT-25	Category	Integrated Circuits (ICs)
Series Automotive, AEC-Q100 Reference Type Shunt Output Type Adjustable Voltage - Output (Min/Fixed) 1.24V Voltage - Output (Max) 18V Current - Output 15mA Tolerance ±1% Temperature Coefficient 150ppm/°C Noise - 0.1Hz to 10Hz - Noise - 10Hz to 10kHz - Voltage - Input - Current - Supply - Current - Cathode 100μA Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SC-74A, SOT-753 Supplier Device Package SOT-25		PMIC - Voltage Reference
Reference Type Shunt Output Type Adjustable Voltage - Output (Min/Fixed) 1.24V Voltage - Output (Max) 18V Current - Output 15mA Tolerance ±1% Temperature Coefficient 150ppm/°C Noise - 0.1Hz to 10Hz - Noise - 10Hz to 10kHz - Voltage - Input - Current - Supply - Current - Cathode 100µA Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SC-74A, SOT-753 Supplier Device Package SOT-25	Package	SC-74A, SOT-753
Output TypeAdjustableVoltage - Output (Min/Fixed)1.24VVoltage - Output (Max)18VCurrent - Output15mATolerance±1%Temperature Coefficient150ppm/°CNoise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode100μAOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Supplier Device PackageSOT-25	Series	Automotive, AEC-Q100
Voltage - Output (Min/Fixed) Voltage - Output (Max) 18V Current - Output 15mA Tolerance ±1% Temperature Coefficient 150ppm/°C Noise - 0.1Hz to 10Hz - Noise - 10Hz to 10kHz Voltage - Input - Current - Supply - Current - Cathode 100µA Operating Temperature 40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SC-74A, SOT-753 Supplier Device Package	Reference Type	Shunt
Voltage - Output (Max)18VCurrent - Output15mATolerance±1%Temperature Coefficient150ppm/°CNoise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode100μAOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Supplier Device PackageSOT-25	Output Type	Adjustable
Current - Output 15mA $\pm 1\%$ Tolerance $\pm 1\%$ Temperature Coefficient 150ppm/°C 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) Mounting Type Surface Mount Package / Case SC-74A, SOT-753 Supplier Device Package SOT-25	Voltage - Output (Min/Fixed)	1.24V
Tolerance ±1% Temperature Coefficient 150ppm/°C Noise - 0.1Hz to 10Hz - Noise - 10Hz to 10kHz - Voltage - Input - Current - Supply - Current - Cathode 100µA Operating Temperature 1-40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SC-74A, SOT-753 Supplier Device Package SOT-25	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 Surface Mount Package / Case Supplier Device Package 150ppm/°C - 100μA - 100μA 100μA Surface Mount Surface Mount SC-74A, SOT-753 Supplier Device Package	Current - Output	15mA
Noise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode100μAOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Supplier Device PackageSOT-25	Tolerance	±1%
Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode100μAOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Supplier Device PackageSOT-25	Temperature Coefficient	150ppm/°C
Voltage - Input-Current - Supply-Current - Cathode 100μ AOperating Temperature -40° C ~ 125° C (TA)Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Supplier Device PackageSOT-25	Noise - 0.1Hz to 10Hz	-
Current - Supply-Current - Cathode $100\mu A$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ (TA)Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Supplier Device PackageSOT-25	Noise - 10Hz to 10kHz	-
Current - Cathode $100\mu A$ Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ (TA) Mounting Type Surface Mount Package / Case SC-74A, SOT-753 Supplier Device Package SOT-25	Voltage - Input	-
Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SC-74A, SOT-753 Supplier Device Package SOT-25	Current - Supply	-
Mounting Type Surface Mount Package / Case SC-74A, SOT-753 Supplier Device Package SOT-25	Current - Cathode	100μΑ
Package / Case SC-74A, SOT-753 Supplier Device Package SOT-25	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package SOT-25	Mounting Type	Surface Mount
	Package / Case	SC-74A, SOT-753
Report errors?	Supplier Device Package	SOT-25
		Report errors?

TLV431AQE5TA 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.

TLV431AQE5TA Payment Methods



















TLV431AQE5TA Shipping Methods













If you have any question about TLV431AQE5TA, please do not hesitate to contact us!

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