



### **ZR431F005TA Information**



For Reference Only

Part Number ZR431F005TA

Manufacturer Diodes Incorporated

Category Integrated Circuits (ICs)
PMIC - Voltage Reference

**Description**IC VREF SHUNT ADJ SOT23**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**

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## **ZR431F005TA Specifications**

Manufacturer Part Number         ZR431F005TA           Manufacturer         Diodes Incorporated           Category         Integrated Circuits (ICs)           Package         TO-236-3, SC-59, SOT-23-3           Series         -           Reference Type         Shunt           Output Type         Adjustable           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         20V           Current - Output         100mA           Tolerance         ±0.5%           Temperature Coefficient         55ppm/°C           Noise - 0.1Hz to 10Hz         -           Noise - 10Hz to 10KHz         -           Voltage - Input         -           Current - Supply         -           Current - Cathode         50µA           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		
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)         2.5V           Voltage - Output (Max)         20V           Current - Output         100mA           Tolerance         ±0.5%           Temperature Coefficient         55ppm/°C           Noise - 0.1Hz to 10Hz         -           Noise - 10Hz to 10kHz         -           Voltage - Input         -           Current - Supply         -           Current - Cathode         50μA           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	Manufacturer Part Number	ZR431F005TA
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Output TypeAdjustableVoltage - Output (Min/Fixed)2.5 VVoltage - Output (Max)20 VCurrent - Output100mATolerance±0.5%Temperature Coefficient55ppm/°CNoise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode50μAOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23	Series	-
Voltage - Output (Min/Fixed)  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  Operating Temperature  -40°C ~ 85°C (TA)  Mounting Type  Package / Case  TO-236-3, SC-59, SOT-23-3  Supplier Device Package	Reference Type	Shunt
Voltage - Output (Max)20VCurrent - Output100mATolerance±0.5%Temperature Coefficient55ppm/°CNoise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode50μAOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23	Output Type	Adjustable
Current - Output100mATolerance±0.5%Temperature Coefficient55ppm/°CNoise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode50μAOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23	Voltage - Output (Min/Fixed)	2.5V
Tolerance ±0.5% Temperature Coefficient 55ppm/°C  Noise - 0.1Hz to 10Hz -  Noise - 10Hz to 10kHz -  Voltage - Input -  Current - Supply -  Current - Cathode 50μA  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	Voltage - Output (Max)	20V
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  TO-236-3, SC-59, SOT-23-3  Supplier Device Package	Current - Output	100mA
Noise - 0.1Hz to 10Hz-Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode50μAOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23	Tolerance	±0.5%
Noise - 10Hz to 10kHz-Voltage - Input-Current - Supply-Current - Cathode50μAOperating Temperature-40°C ~ 85°C (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23	Temperature Coefficient	55ppm/°C
Voltage - Input-Current - Supply-Current - Cathode $50\mu$ AOperating Temperature- $40^{\circ}$ C ~ $85^{\circ}$ C (TA)Mounting TypeSurface MountPackage / CaseTO-236-3, SC-59, SOT-23-3Supplier Device PackageSOT-23	Noise - 0.1Hz to 10Hz	-
Current - Supply - Current - Cathode $50\mu A$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ (TA)  Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package SOT-23	Noise - 10Hz to 10kHz	-
Current - Cathode $50\mu A$ Operating Temperature $-40^{\circ}C \sim 85^{\circ}C$ (TA)  Mounting Type Surface Mount  Package / Case TO-236-3, SC-59, SOT-23-3  Supplier Device Package SOT-23	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	Current - Supply	-
Mounting Type Surface Mount Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package SOT-23	Current - Cathode	50μΑ
Package / Case TO-236-3, SC-59, SOT-23-3 Supplier Device Package SOT-23	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package SOT-23	Mounting Type	Surface Mount
	Package / Case	TO-236-3, SC-59, SOT-23-3
Report errors?	Supplier Device Package	SOT-23
		Report errors?

#### **ZR431F005TA 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.

### **ZR431F005TA Payment Methods**





















## **ZR431F005TA Shipping Methods**













If you have any question about ZR431F005TA, please do not hesitate to contact us!

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