



## MAX6071BAUT25+T Information



For Reference Only

Part Number MAX6071BAUT25+T

Manufacturer Maxim Integrated

Category Integrated Circuits (ICs)
PMIC - Voltage Reference

**Description** IC VREF SERIES 2.5V SOT23

Package SOT-23-6

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

# **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.









## MAX6071BAUT25+T Specifications

Manufacturer Part Number         MAX6071BAUT25+T           Manufacturer         Maxim Integrated           Category         Integrated Circuits (ICs)           PACKAGE         SOT-23-6           Series         -           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         2.5 V           Voltage - Output (Max)         -           Current - Output         10mA           Tolerance         ±0.08%           Temperature Coefficient         8ppm/°C           Noise - 0.1Hz to 10Hz         4.8μVp-p           Noise - 10Hz to 10kHz         6μVrms           Voltage - Input         2.8 V ~ 5.5 V           Current - Supply         300μA           Current - Cathode         -           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         SOT-23-6           Supplier Device Package         SOT-23-6           Report errors?		
Category         Integrated Circuits (ICs)           PMIC - Voltage Reference           Package         SOT-23-6           Series         -           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         -           Current - Output         10mA           Tolerance         ±0.08%           Temperature Coefficient         8ppm/°C           Noise - 0.1Hz to 10Hz         4.8μVp-p           Noise - 10Hz to 10kHz         6μVrms           Voltage - Input         2.8 V ~ 5.5 V           Current - Supply         300μA           Current - Cathode         -           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         SOT-23-6           Supplier Device Package         SOT-23-6	Manufacturer Part Number	MAX6071BAUT25+T
Package         SOT-23-6           Series         -           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         -           Current - Output         10mA           Tolerance         ±0.08%           Temperature Coefficient         8ppm/°C           Noise - 0.1Hz to 10Hz         4.8μVp-p           Noise - 10Hz to 10kHz         6μVrms           Voltage - Input         2.8 V ~ 5.5 V           Current - Supply         300μA           Current - Cathode         -           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         SOT-23-6           Supplier Device Package         SOT-23-6	Manufacturer	Maxim Integrated
Package         SOT-23-6           Series         -           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         -           Current - Output         10mA           Tolerance         ±0.08%           Temperature Coefficient         8ppm/°C           Noise - 0.1Hz to 10Hz         4.8μVp-p           Noise - 10Hz to 10kHz         6μVrms           Voltage - Input         2.8 V ~ 5.5 V           Current - Supply         300μA           Current - Cathode         -           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         SOT-23-6           Supplier Device Package         SOT-23-6	Category	Integrated Circuits (ICs)
Series         -           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         2.5V           Voltage - Output (Max)         -           Current - Output         10mA           Tolerance         ±0.08%           Temperature Coefficient         8ppm/°C           Noise - 0.1Hz to 10Hz         4.8μVp-p           Noise - 10Hz to 10kHz         6μVrms           Voltage - Input         2.8 V ~ 5.5 V           Current - Supply         300μA           Current - Cathode         -           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         SOT-23-6           Supplier Device Package         SOT-23-6		PMIC - Voltage Reference
Reference TypeSeriesOutput TypeFixedVoltage - Output (Min/Fixed)2.5VVoltage - Output (Max)-Current - Output10mATolerance±0.08%Temperature Coefficient8ppm/°CNoise - 0.1Hz to 10Hz4.8μVp-pNoise - 10Hz to 10kHz6μVrmsVoltage - Input2.8 V ~ 5.5 VCurrent - Supply300μACurrent - Cathode-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	Package	SOT-23-6
Output TypeFixedVoltage - Output (Min/Fixed)2.5 VVoltage - Output (Max)-Current - Output10mATolerance±0.08%Temperature Coefficient8ppm/°CNoise - 0.1Hz to 10Hz4.8μVp-pNoise - 10Hz to 10kHz6μVrmsVoltage - Input2.8 V ~ 5.5 VCurrent - Supply300μACurrent - Cathode-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	Series	-
Voltage - Output (Min/Fixed)         2.5 V           Voltage - Output (Max)         -           Current - Output         10mA           Tolerance         ±0.08%           Temperature Coefficient         8ppm/°C           Noise - 0.1Hz to 10Hz         4.8μVp-p           Noise - 10Hz to 10kHz         6μVrms           Voltage - Input         2.8 V ~ 5.5 V           Current - Supply         300μA           Current - Cathode         -           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         SOT-23-6           Supplier Device Package         SOT-23-6	Reference Type	Series
Voltage - Output (Max)-Current - Output10mATolerance±0.08%Temperature Coefficient8ppm/°CNoise - 0.1Hz to 10Hz4.8μVp-pNoise - 10Hz to 10kHz6μVrmsVoltage - Input2.8 V ~ 5.5 VCurrent - Supply300μACurrent - Cathode-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	Output Type	Fixed
Current - Output $10mA$ Tolerance $\pm 0.08\%$ Temperature Coefficient $8ppm/^{\circ}C$ Noise - $0.1Hz$ to $10Hz$ $4.8\mu Vp-p$ Noise - $10Hz$ to $10kHz$ $6\mu Vrms$ Voltage - Input $2.8 \text{ V} \sim 5.5 \text{ V}$ Current - Supply $300\mu A$ Current - Cathode-Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ (TA)Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	Voltage - Output (Min/Fixed)	2.5V
Tolerance $\pm 0.08\%$ Temperature Coefficient 8ppm/°C Noise - 0.1Hz to 10Hz 4.8µVp-p Noise - 10Hz to 10kHz 6µVrms Voltage - Input 2.8 V ~ 5.5 V Current - Supply 300µA Current - Cathode Operating Temperature -40°C ~ 125°C (TA) Mounting Type Surface Mount Package / Case SOT-23-6 Supplier Device Package	Voltage - Output (Max)	-
Temperature Coefficient8ppm/°CNoise - 0.1Hz to 10Hz $4.8\mu Vp-p$ Noise - 10Hz to 10kHz $6\mu Vrms$ Voltage - Input $2.8 V \sim 5.5 V$ Current - Supply $300\mu A$ Current - Cathode-Operating Temperature $-40^{\circ}C \sim 125^{\circ}C$ (TA)Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	Current - Output	10mA
Noise - 0.1Hz to 10Hz 4.8 $\mu$ Vp-p Noise - 10Hz to 10kHz 6 $\mu$ Vrms  Voltage - Input 2.8 V ~ 5.5 V  Current - Supply 300 $\mu$ A  Current - Cathode - Operating Temperature -40°C ~ 125°C (TA)  Mounting Type Surface Mount  Package / Case SOT-23-6  Supplier Device Package SOT-23-6	Tolerance	±0.08%
Noise - 10Hz to 10kHz  Voltage - Input $2.8 \text{ V} \sim 5.5 \text{ V}$ Current - Supply $300\mu\text{A}$ Current - Cathode  Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$ Mounting Type  Surface Mount  Package / Case  SOT-23-6  Supplier Device Package	Temperature Coefficient	8ppm/°C
Voltage - Input $2.8 \text{ V} \sim 5.5 \text{ V}$ Current - Supply $300\mu\text{A}$ Current - Cathode-Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ (TA)Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	Noise - 0.1Hz to 10Hz	$4.8\mu Vp$ -p
Current - Supply300μACurrent - Cathode-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	Noise - 10Hz to 10kHz	6μVrms
Current - Cathode  Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  SOT-23-6  Supplier Device Package	Voltage - Input	2.8 V ~ 5.5 V
Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	Current - Supply	300μΑ
Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	Current - Cathode	-
Package / Case SOT-23-6 Supplier Device Package SOT-23-6	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package SOT-23-6	Mounting Type	Surface Mount
	Package / Case	SOT-23-6
Report errors?	Supplier Device Package	SOT-23-6
		Report errors?

#### MAX6071BAUT25+T 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.

### MAX6071BAUT25+T Payment Methods









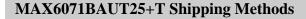
























If you have any question about MAX6071BAUT25+T, please do not hesitate to contact us!

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