



## MAX6070BAUT33+T Information



For Reference Only

Part Number MAX6070BAUT33+T

Manufacturer Maxim Integrated

Category Integrated Circuits (ICs)
PMIC - Voltage Reference

**Description** IC VREF SERIES 3.3V SOT23-6

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.









## MAX6070BAUT33+T Specifications

Manufacturer Part Number         MAX6070BAUT33+T           Manufacturer         Maxim Integrated           Category         Integrated Circuits (ICs)           Package         SOT-23-6           Series         -           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         3.3V           Voltage - Output (Max)         -           Current - Output         10mA           Tolerance         ±0.08%           Temperature Coefficient         8ppm/°C           Noise - 0.1Hz to 10Hz         10μVp-p           Noise - 10Hz to 10kHz         6μVrms           Voltage - Input         3.5 V ~ 5.5 V           Current - Supply         330μA           Current - Cathode         -           Operating Temperature         -40°C ~ 125°C (TA)           Mounting Type         Surface Mount           Package / Case         SOT-23-6           Supplier Device Package         SOT-23-6           Supplier Device Package         SOT-23-6		
Category         Integrated Circuits (ICs)           PMIC - Voltage Reference           Package         SOT-23-6           Series         -           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         3.3V           Voltage - Output (Max)         -           Current - Output         10mA           Tolerance         ±0.08%           Temperature Coefficient         8ppm/°C           Noise - 0.1Hz to 10Hz         10µVp-p           Noise - 10Hz to 10kHz         6µVrms           Voltage - Input         3.5 V ~ 5.5 V           Current - Supply         330µA           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	MAX6070BAUT33+T
Package         SOT-23-6           Series         -           Reference Type         Series           Output Type         Fixed           Voltage - Output (Min/Fixed)         3.3V           Voltage - Output (Max)         -           Current - Output         10mA           Tolerance         ±0.08%           Temperature Coefficient         8ppm/°C           Noise - 0.1Hz to 10Hz         10μVp-p           Noise - 10Hz to 10kHz         6μVrms           Voltage - Input         3.5 V ~ 5.5 V           Current - Supply         330μA           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)         3.3V           Voltage - Output (Max)         -           Current - Output         10mA           Tolerance         ±0.08%           Temperature Coefficient         8ppm/°C           Noise - 0.1Hz to 10Hz         10μVp-p           Noise - 10Hz to 10kHz         6μVrms           Voltage - Input         3.5 V ~ 5.5 V           Current - Supply         330μA           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)         3.3V           Voltage - Output (Max)         -           Current - Output         10mA           Tolerance         ±0.08%           Temperature Coefficient         8ppm/°C           Noise - 0.1Hz to 10Hz         10μVp-p           Noise - 10Hz to 10kHz         6μVrms           Voltage - Input         3.5 V ~ 5.5 V           Current - Supply         330μA           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)3.3VVoltage - Output (Max)-Current - Output10mATolerance±0.08%Temperature Coefficient8ppm/°CNoise - 0.1Hz to 10Hz10μVp-pNoise - 10Hz to 10kHz6μVrmsVoltage - Input3.5 V ~ 5.5 VCurrent - Supply330μACurrent - 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)3.3VVoltage - Output (Max)-Current - Output10mATolerance±0.08%Temperature Coefficient8ppm/°CNoise - 0.1Hz to 10Hz10μVp-pNoise - 10Hz to 10kHz6μVrmsVoltage - Input3.5 V ~ 5.5 VCurrent - Supply330μACurrent - Cathode-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	Series	-
Voltage - Output (Min/Fixed)  Voltage - Output (Max)  Current - Output  10mA  Tolerance ±0.08%  Temperature Coefficient 8ppm/°C  Noise - 0.1Hz to 10Hz 10μVp-p  Noise - 10Hz to 10kHz 6μVrms  Voltage - Input 3.5 V ~ 5.5 V  Current - Supply 330μA  Current - Cathode Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type Surface Mount  Package / Case Supplier Device Package SOT-23-6	Reference Type	Series
Voltage - Output (Max)-Current - Output10mATolerance±0.08%Temperature Coefficient8ppm/°CNoise - 0.1Hz to 10Hz10μVp-pNoise - 10Hz to 10kHz6μVrmsVoltage - Input3.5 V ~ 5.5 VCurrent - Supply330μACurrent - Cathode-Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	Output Type	Fixed
Current - Output $10 mA$ Tolerance $\pm 0.08\%$ Temperature Coefficient $8 ppm/^{\circ}C$ Noise - $0.1 Hz$ to $10 Hz$ $10 \mu Vp-p$ Noise - $10 Hz$ to $10 kHz$ $6 \mu Vrms$ Voltage - Input $3.5 V \sim 5.5 V$ Current - Supply $330 \mu A$ 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)	3.3V
Tolerance $\pm 0.08\%$ Temperature Coefficient 8ppm/°C Noise - 0.1Hz to 10Hz 10 $\mu$ Vp-p Noise - 10Hz to 10kHz 6 $\mu$ Vrms Voltage - Input 3.5 V ~ 5.5 V Current - Supply 330 $\mu$ A 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 $10\mu Vp-p$ Noise - 10Hz to 10kHz $6\mu Vrms$ Voltage - Input $3.5 V \sim 5.5 V$ Current - Supply $330\mu A$ 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 $10\mu V_{p-p}$ Noise - 10Hz to 10kHz $6\mu V_{rms}$ $Voltage - Input \\ Surpert - Supply \\ Surface Mount \\ Type \\ Surface Mount \\ Package / Case \\ Supplier Device Package 10\mu V_{p-p} 6\mu V_{rms} 3.5 \text{ V} \sim 5.5 \text{ V} 330\mu A - \\ -40^{\circ}C \sim 125^{\circ}C \text{ (TA)} Surface Mount \\ Surface Mount \\ SOT-23-6 SOT-23-6 SOT-23-6$	Tolerance	±0.08%
Noise - 10Hz to 10kHz 6 $\mu$ Vrms  Voltage - Input 3.5 V ~ 5.5 V  Current - Supply 330 $\mu$ A  Current - Cathode - Querating Temperature -40°C ~ 125°C (TA)  Mounting Type Surface Mount  Package / Case SOT-23-6  Supplier Device Package SOT-23-6	Temperature Coefficient	8ppm/°C
Voltage - Input $3.5 \text{ V} \sim 5.5 \text{ V}$ Current - Supply $330 \mu \text{A}$ Current - Cathode $-$ Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C (TA)}$ Mounting Type $\text{Surface Mount}$ Package / Case $\text{SOT-23-6}$ Supplier Device Package	Noise - 0.1Hz to 10Hz	$10\mu Vp$ -p
Current - Supply330μACurrent - 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 SOT-23-6	Voltage - Input	3.5 V ~ 5.5 V
Operating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / CaseSOT-23-6Supplier Device PackageSOT-23-6	Current - Supply	330μΑ
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?

#### MAX6070BAUT33+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.

### MAX6070BAUT33+T Payment Methods



















### MAX6070BAUT33+T Shipping Methods













If you have any question about MAX6070BAUT33+T, please do not hesitate to contact us!

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