



## SIT8209AI-2-33E Information



For Reference Only

Part Number SIT8209AI-2-33E

**Manufacturer** SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG LVCMOS 3.3V EN/DS 20PPM

Package 4-SMD, No Lead

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.









## SIT8209AI-2-33E Specifications

Manufacturer Part Number         SIT8209AI-2-33E           Manufacturer         SiTIME           Category         Crystals, Oscillators, Resonators           Package         4-SMD, No Lead           Series         SiT8209           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         80.000001MHz ~ 220MHz           Function         Enable/Disable           Output         LVCMOS, LVTTL           Voltage - Supply         3.3V           Frequency Stability         ±20ppm           Frequency Stability (Total)         -           Operating Temperature         +40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         36mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         0.031" (0.79mm)		
Category         Crystals, Oscillators, Resonators           Package         4-SMD, No Lead           Series         SiT8209           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         80.000001MHz ~ 220MHz           Function         Enable/Disable           Output         LVCMOS, LVTTL           Voltage - Supply         3.3 V           Frequency Stability         ±20ppm           Frequency Stability (Total)         -           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         36mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         0.031" (0.79mm)	Manufacturer Part Number	SIT8209AI-2-33E
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Available Frequency Range  Function  Enable/Disable  Output  LVCMOS, LVTTL  Voltage - Supply  3.3V  Frequency Stability  ±20ppm  Frequency Stability (Total)  - Operating Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  Size / Dimension  0.126" L x 0.098" W (3.20mm x 2.50mm)  Height	Туре	MEMS (Silicon)
Function Enable/Disable Output LVCMOS, LVTTL Voltage - Supply 3.3V Frequency Stability ±20ppm Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth - Current - Supply (Max) 36mA Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm) Height 0.031" (0.79mm)	Programmable Type	Programmed as Request
Output LVCMOS, LVTTL  Voltage - Supply 3.3V  Frequency Stability ±20ppm  Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth - Current - Supply (Max) 36mA  Ratings - Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height 0.001" (0.79mm)	Available Frequency Range	80.000001MHz ~ 220MHz
Voltage - Supply  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  Size / Dimension  Height  3.3V  3.3V  3.3V  2.30pm  -  4.0°C ~ 85°C  Surface Mount  -  5.00	Function	Enable/Disable
Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  Current - Supply (Max)  Ratings  -  Mounting Type  Surface Mount  Package / Case  Size / Dimension  O.031" (0.79mm)  -  -  -  -  -  -  -  -  -  -  -  -  -	Output	LVCMOS, LVTTL
Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  0.126" L x 0.098" W (3.20mm x 2.50mm)  Height	Voltage - Supply	3.3V
Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth - Current - Supply (Max)  Ratings - Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height 0.031" (0.79mm)	Frequency Stability	±20ppm
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Current - Supply (Max)  Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm) Height 0.031" (0.79mm)	Operating Temperature	-40°C ~ 85°C
Ratings Mounting Type Surface Mount  Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height 0.031" (0.79mm)	Spread Spectrum Bandwidth	-
Mounting Type Surface Mount  Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height 0.031" (0.79mm)	Current - Supply (Max)	36mA
Package / Case       4-SMD, No Lead         Size / Dimension       0.126" L x 0.098" W (3.20mm x 2.50mm)         Height       0.031" (0.79mm)	Ratings	-
Size / Dimension       0.126" L x 0.098" W (3.20mm x 2.50mm)         Height       0.031" (0.79mm)	Mounting Type	Surface Mount
Height 0.031" (0.79mm)	Package / Case	4-SMD, No Lead
-	Size / Dimension	0.126" L x 0.098" W (3.20mm x 2.50mm)
Report errors?	Height	0.031" (0.79mm)
		Report errors?

#### SIT8209AI-2-33E 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.

### SIT8209AI-2-33E Payment Methods



















### SIT8209AI-2-33E Shipping Methods













If you have any question about SIT8209AI-2-33E, please do not hesitate to contact us!

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