



## SIT8209AC-8-18E Information



For Reference Only

Part Number SIT8209AC-8-18E

Manufacturer SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG LVCMOS 1.8V 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.









# **SIT8209AC-8-18E Specifications**

Manufacturer Part Number         SIT8209AC-8-18E           Manufacturer         SiTIME           Category         Crystals, Oscillators, Resonators           Programmable Oscillators           Package         4-SMD, No Lead           Series         SiT8209           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         80.00001MHz ~ 220MHz           Function         Enable/Disable           Output         LVCMOS, LVTTL           Voltage - Supply         1.8V           Frequency Stability         ±20ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         33mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.276" L x 0.197" W (7.00mm x 5.00mm)           Height         0.039" (1.00mm)		
Category         Crystals, Oscillators, Resonators           Programmable Oscillators           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         1.8V           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         33mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.276" L x 0.197" W (7.00mm x 5.00mm)           Height         0.039" (1.00mm)	Manufacturer Part Number	SIT8209AC-8-18E
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Type MEMS (Silicon)  Programmable Type Programmed as Request  Available Frequency Range 80.00001MHz ~ 220MHz  Function Enable/Disable  Output LVCMOS, LVTTL  Voltage - Supply 1.8V  Frequency Stability ±20ppm  Frequency Stability (Total) - Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth - Current - Supply (Max) 33mA  Ratings - Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)  Height 0.039" (1.00mm)	Package	4-SMD, No Lead
Programmable Type Programmed as Request  Available Frequency Range 80.00001MHz ~ 220MHz  Function Enable/Disable  Output LVCMOS, LVTTL  Voltage - Supply 1.8V  Frequency Stability ±20ppm  Frequency Stability (Total) - Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth - Current - Supply (Max) 33mA  Ratings - Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)  Height 0.000001MHz ~ 220MHz  Enabler Supplyable  Programmed as Request  80.00001MHz ~ 220MHz  Enabler Disable  1.8V	Series	SiT8209
Available Frequency Range  80.000001MHz ~ 220MHz  Function  Enable/Disable  Output  LVCMOS, LVTTL  Voltage - Supply  1.8V  Frequency Stability  ±20ppm  Frequency Stability (Total)  - Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  33mA  Ratings  - Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  0.276" L x 0.197" W (7.00mm x 5.00mm)  Height	Туре	MEMS (Silicon)
Function Enable/Disable Output LVCMOS, LVTTL Voltage - Supply 1.8V Frequency Stability ±20ppm Frequency Stability (Total) - Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth - Current - Supply (Max) 33mA Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.039" (1.00mm) Height	Programmable Type	Programmed as Request
OutputLVCMOS, LVTTLVoltage - Supply1.8VFrequency Stability±20ppmFrequency Stability (Total)-Operating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)33mARatings-Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.276" L x 0.197" W (7.00mm x 5.00mm)Height0.039" (1.00mm)	Available Frequency Range	80.000001MHz ~ 220MHz
Voltage - Supply  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  Height  1.8V  -20°C ~ 70°C  -20°C ~ 70°C  Surface Mount  - 0.276" L x 0.197" W (7.00mm x 5.00mm)	Function	Enable/Disable
Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  Size / Dimension  0.039" (1.00mm)  + 20ppm  -20°C ~ 70°C  -20°C	Output	LVCMOS, LVTTL
Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  0.276" L x 0.197" W (7.00mm x 5.00mm)  Height  - 0.039" (1.00mm)	Voltage - Supply	1.8V
Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth - Current - Supply (Max) 33mA Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.039" (1.00mm)	Frequency Stability	±20ppm
Spread Spectrum Bandwidth  Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  0.276" L x 0.197" W (7.00mm x 5.00mm)  Height  0.039" (1.00mm)	Frequency Stability (Total)	-
Current - Supply (Max)  Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.039" (1.00mm)	Operating Temperature	-20°C ~ 70°C
Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.039" (1.00mm)	Spread Spectrum Bandwidth	-
Mounting Type Surface Mount  Package / Case 4-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)  Height 0.039" (1.00mm)	Current - Supply (Max)	33mA
Package / Case 4-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.039" (1.00mm)	Ratings	-
Size / Dimension       0.276" L x 0.197" W (7.00mm x 5.00mm)         Height       0.039" (1.00mm)	Mounting Type	Surface Mount
Height 0.039" (1.00mm)	Package / Case	4-SMD, No Lead
, ,	Size / Dimension	0.276" L x 0.197" W (7.00mm x 5.00mm)
Report errors?	Height	0.039" (1.00mm)
		Report errors?

#### SIT8209AC-8-18E 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.

### SIT8209AC-8-18E Payment Methods



















### SIT8209AC-8-18E Shipping Methods













If you have any question about SIT8209AC-8-18E, please do not hesitate to contact us!

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