



## SIT8008AIA1-28E Information



For Reference Only

Part Number SIT8008AIA1-28E

**Manufacturer** SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG LVCMOS 2.8V 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.









## **SIT8008AIA1-28E Specifications**

Manufacturer Part Number         SIT8008AIA1-28E           Manufacturer         SiTIME           Category         Crystals, Oscillators, Resonators           Package         4-SMD, No Lead           Series         SiT8008           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 110MHz           Function         Enable/Disable           Output         HCMOS, LVCMOS           Voltage - Supply         2.8V           Frequency Stability (Total)         2.9pm           Frequency Stability (Total)         2.0perating Temperature           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.5mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.098" L x 0.079" W (2.50mm x 2.00mm)           Height         0.031" (0.79mm)		
Category         Crystals, Oscillators, Resonators           Package         4-SMD, No Lead           Series         SiT8008           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 110MHz           Function         Enable/Disable           Output         HCMOS, LVCMOS           Voltage - Supply         2.8V           Frequency Stability         ±20ppm           Frequency Stability (Total)         -           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.5mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.098" L x 0.079" W (2.50mm x 2.00mm)	Manufacturer Part Number	SIT8008AIA1-28E
Package 4-SMD, No Lead Series SiT8008 Type MEMS (Silicon) Programmable Type Programmed as Request Available Frequency Range 1MHz ~ 110MHz Function Enable/Disable Output HCMOS, LVCMOS Voltage - Supply 2.8V Frequency Stability ±20ppm Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm)	Manufacturer	SiTIME
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SeriesSiT8008TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range1MHz ~ 110MHzFunctionEnable/DisableOutputHCMOS, LVCMOSVoltage - Supply2.8VFrequency Stability±20ppmFrequency Stability (Total)-Operating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)4.5mARatings-Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.098" L x 0.079" W (2.50mm x 2.00mm)		Programmable Oscillators
Type MEMS (Silicon) Programmable Type Programmed as Request  Available Frequency Range 1MHz ~ 110MHz Function Enable/Disable Output HCMOS, LVCMOS  Voltage - Supply 2.8V Frequency Stability Total) - Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm)	Package	4-SMD, No Lead
Programmable Type Programmed as Request  Available Frequency Range 1MHz ~ 110MHz  Function Enable/Disable  Output HCMOS, LVCMOS  Voltage - Supply 2.8V  Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA  Ratings - Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm)	Series	SiT8008
Available Frequency Range Function Enable/Disable Output HCMOS, LVCMOS  Voltage - Supply 2.8V 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  IMHz ~ 110MHz Enable/Disable Enable/Disable  HCMOS, LVCMOS  2.8V  #20ppm  - 4.0°C ~ 85°C  \$ -  85°C  \$ -  80 -  8	Туре	MEMS (Silicon)
Function Enable/Disable Output HCMOS, LVCMOS Voltage - Supply 2.8V Frequency Stability ±20ppm Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm)	Programmable Type	Programmed as Request
Output HCMOS, LVCMOS  Voltage - Supply 2.8V  Frequency Stability = ±20ppm  Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA  Ratings - Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm)	Available Frequency Range	1MHz ~ 110MHz
Voltage - Supply  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  4-SMD, No Lead  Size / Dimension  2.8V  -20ppm  -40°C ~ 85°C  -40°C ~ 85°C  -5000  -5000  -600	Function	Enable/Disable
Frequency Stability (Total)	Output	HCMOS, LVCMOS
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  - O.098" L x 0.079" W (2.50mm x 2.00mm)	Voltage - Supply	2.8V
Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.5mA  Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm)	Frequency Stability	±20ppm
Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm)	Frequency Stability (Total)	-
Current - Supply (Max)  Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm)	Operating Temperature	-40°C ~ 85°C
Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm)	Spread Spectrum Bandwidth	-
Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm)	Current - Supply (Max)	4.5mA
Package / Case       4-SMD, No Lead         Size / Dimension       0.098" L x 0.079" W (2.50mm x 2.00mm)	Ratings	-
Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm)	Mounting Type	Surface Mount
	Package / Case	4-SMD, No Lead
Height 0.031" (0.79mm)	Size / Dimension	0.098" L x 0.079" W (2.50mm x 2.00mm)
	Height	0.031" (0.79mm)
Report errors?		Report errors?

#### SIT8008AIA1-28E 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.

### SIT8008AIA1-28E Payment Methods



















### SIT8008AIA1-28E Shipping Methods













If you have any question about SIT8008AIA1-28E, please do not hesitate to contact us!

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