



### SIT8008ACU3-25E Information



For Reference Only

Part Number SIT8008ACU3-25E

**Manufacturer** SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG LVCMOS 2.5V 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.









## SIT8008ACU3-25E Specifications

Manufacturer Part Number         SIT 8008 ACU3-25E           Manufacturer         SiTIME           Category         Crystals, Oscillators, Resonators           Programmable Oscillators           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         ±20ppm           Frequency Stability         ±20ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.5mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.197" L x 0.126" W (5.00mm x 3.20mm)           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         IMHz ~ 110MHz           Function         Enable/Disable           Output         HCMOS, LVCMOS           Voltage - Supply         2.5V           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.5mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.197" L x 0.126" W (5.00mm x 3.20mm)           Height         0.031" (0.79mm)	Manufacturer Part Number	SIT8008ACU3-25E
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Type MEMS (Silicon)  Programmable Type Programmed as Request  Available Frequency Range IMHz ~ 110MHz  Function Enable/Disable  Output HCMOS, LVCMOS  Voltage - Supply 2.5V  Frequency Stability + ±20ppm  Frequency Stability (Total) - Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA  Ratings - Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height   MEMS (Silicon)  IMEMS (Silicon)  Programmed as Request  IMHz ~ 110MHz  Enable/Disable  -20°C ~ 70°C  Syread Spectrum Syread  -20°C ~ 70°C  Syread Spectrum Bandwidth  - Current - Supply (Max) 4.5mA  Ratings  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.031" (0.79mm)	Package	4-SMD, No Lead
Programmable Type Programmed as Request  Available Frequency Range 1MHz ~ 110MHz  Function Enable/Disable  Output HCMOS, LVCMOS  Voltage - Supply 2.5V  Frequency Stability ±20ppm  Frequency Stability (Total) - Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA  Ratings - Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height 0.00000000000000000000000000000000000	Series	SiT8008
Available Frequency Range  Function  Enable/Disable  Output  HCMOS, LVCMOS  Voltage - Supply  2.5V  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  1MHz ~ 110MHz  Enable/Disable  Enable/Disable  Enable/Disable  1.0ME  Enable/Disable  1.0ME  Enable/Disable  1.0ME  Enable/Disable  1.0ME  Enable/Disable  1.0ME  Enable/Disable  1.0ME  1.0	Туре	MEMS (Silicon)
Function Enable/Disable Output HCMOS, LVCMOS Voltage - Supply 2.5V Frequency Stability ±20ppm Frequency Stability (Total) - Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.031" (0.79mm)	Programmable Type	Programmed as Request
Output HCMOS, LVCMOS  Voltage - Supply 2.5V  Frequency Stability ±20ppm  Frequency Stability (Total) - Operating Temperature -20°C ~70°C  Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA  Ratings - Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height 0.001" (0.79mm)	Available Frequency Range	1MHz ~ 110MHz
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  2.5V  2.5V  2.5V  4-20pm  -  Surface Mount  -  Surface Mount  0.197" L x 0.126" W (5.00mm x 3.20mm)  0.031" (0.79mm)	Function	Enable/Disable
Frequency Stability (Total)	Output	HCMOS, LVCMOS
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  0.197" L x 0.126" W (5.00mm x 3.20mm)  Height  - 0.031" (0.79mm)	Voltage - Supply	2.5V
Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm) Height 0.031" (0.79mm)	Frequency Stability	±20ppm
Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm) Height 0.031" (0.79mm)	Frequency Stability (Total)	-
Current - Supply (Max)  Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm) Height 0.031" (0.79mm)	Operating Temperature	-20°C ~ 70°C
Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm) Height 0.031" (0.79mm)	Spread Spectrum Bandwidth	-
Mounting Type Surface Mount  Package / Case 4-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height 0.031" (0.79mm)	Current - Supply (Max)	4.5mA
Package / Case 4-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm) Height 0.031" (0.79mm)	Ratings	-
Size / Dimension       0.197" L x 0.126" W (5.00mm x 3.20mm)         Height       0.031" (0.79mm)	Mounting Type	Surface Mount
Height 0.031" (0.79mm)	Package / Case	4-SMD, No Lead
	Size / Dimension	0.197" L x 0.126" W (5.00mm x 3.20mm)
Report errors?	Height	0.031" (0.79mm)
		Report errors?

#### SIT8008ACU3-25E 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.

## SIT8008ACU3-25E Payment Methods





















### SIT8008ACU3-25E Shipping Methods













If you have any question about SIT8008ACU3-25E, please do not hesitate to contact us!

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