



### SIT8008BCU8-25S Information



For Reference Only

Part Number SIT8008BCU8-25S

**Manufacturer** SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG LVCMOS 2.5V STBY SMD

Package 4-SMD, No Lead

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.









# SIT8008BCU8-25S Specifications

Manufacturer Part Number         SIT8008BCU8-25S           Manufacturer         SiTIME           Category         Crystals, Oscillators, Resonators           Package         4-SMD, No Lead           Series         SiT8008B           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 110MHz           Function         Standby           Output         LVCMOS           Voltage - Supply         2.5V           Frequency Stability         -           Frequency Stability (Total)         ±20ppm, ±25ppm, ±50ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.2mA           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           Package         4-SMD, No Lead           Series         SiT8008B           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 110MHz           Function         Standby           Output         LVCMOS           Voltage - Supply         2.5V           Frequency Stability         -           Operating Temperature         2.0°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.2mA           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	SIT8008BCU8-25S
Package         4-SMD, No Lead           Series         SiT8008B           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 110MHz           Function         Standby           Output         LVCMOS           Voltage - Supply         2.5 V           Frequency Stability         -           Frequency Stability (Total)         ±20ppm, ±25ppm, ±50ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.2mA           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	SiTIME
Package         4-SMD, No Lead           Series         SiT8008B           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 110MHz           Function         Standby           Output         LVCMOS           Voltage - Supply         2.5V           Frequency Stability         -           Frequency Stability (Total)         ±20ppm, ±25ppm, ±50ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.2mA           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
Series         SiT8008B           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 110MHz           Function         Standby           Output         LVCMOS           Voltage - Supply         2.5V           Frequency Stability         -           Frequency Stability (Total)         ±20ppm, ±25ppm, ±50ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.2mA           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)		Programmable Oscillators
TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range1MHz ~ 110MHzFunctionStandbyOutputLVCMOSVoltage - Supply2.5VFrequency Stability-Frequency Stability (Total)±20ppm, ±25ppm, ±50ppmOperating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)4.2mARatings-Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.276" L x 0.197" W (7.00mm x 5.00mm)Height0.039" (1.00mm)	Package	4-SMD, No Lead
Programmable Type Programmed as Request  Available Frequency Range 1MHz ~ 110MHz  Function Standby  Output LVCMOS  Voltage - Supply 2.5V  Frequency Stability  Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.2mA  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 0.00000000000000000000000000000000000	Series	SiT8008B
Available Frequency Range  Function  Standby  Output  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  0.039" (1.00mm)  Height	Туре	MEMS (Silicon)
Function Standby Output LVCMOS Voltage - Supply 2.5V Frequency Stability -  Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth - Current - Supply (Max) 4.2mA 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 0.009" (1.00mm)	Programmable Type	Programmed as Request
OutputLVCMOSVoltage - Supply2.5 VFrequency Stability-Frequency Stability (Total)±20ppm, ±25ppm, ±50ppmOperating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)4.2mARatings-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	1MHz ~ 110MHz
Voltage - Supply  Frequency Stability  Frequency Stability (Total)  Operating Temperature  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  Mounting Type  Surface Mount  Package / Case  Size / Dimension  Height  2.5V  2.5V  2.5V  2.5V  2.5V  2.5V  -  Supply (Max)  4.20ppm, ±25ppm, ±50ppm  -20°C ~ 70°C  5.20°C ~ 70°C  5.20	Function	Standby
Frequency Stability (Total)  Frequency Stability (Total)  Departing Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  Size / Dimension  D.276" L x 0.197" W (7.00mm x 5.00mm)  Height  -  -  -  -  -  -  -  -  -  -  -  -  -	Output	LVCMOS
Frequency Stability (Total) $\pm 20$ ppm, $\pm 25$ ppm, $\pm 50$ ppm  Operating Temperature $-20^{\circ}$ C $\sim 70^{\circ}$ C  Spread Spectrum Bandwidth $-$ Current - Supply (Max) $4.2$ mA  Ratings $-$ Mounting Type Surface Mount  Package / Case $4-$ SMD, No Lead  Size / Dimension $0.276^{\circ}$ L x $0.197^{\circ}$ W $(7.00$ mm x $5.00$ mm)  Height $0.039^{\circ}$ ( $1.00$ mm)	Voltage - Supply	2.5V
Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth - Current - Supply (Max) 4.2mA 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	-
Spread Spectrum Bandwidth - Current - Supply (Max) 4.2mA  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)	±20ppm, ±25ppm, ±50ppm
Current - Supply (Max)       4.2mA         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)	4.2mA
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?

### SIT8008BCU8-25S 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.

### SIT8008BCU8-25S Payment Methods





















## SIT8008BCU8-25S Shipping Methods













If you have any question about SIT8008BCU8-25S, please do not hesitate to contact us!

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