



#### SIT9003AC-8-25DO Information



For Reference Only

Part Number SIT9003AC-8-25DO

Manufacturer SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG LVCMOS 2.5V 50PPM 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



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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.









## SIT9003AC-8-25DO Specifications

Manufacturer Part Number         STT9003AC-8-25DO           Manufacturer         STIME           Category         Crystals, Oscillators, Resonators           Programmable Oscillators         Programmable Oscillators           Package         4-SMD, No Lead           Series         SiT9003           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 110MHz           Function         -           Output         LVCMOS, LVTTL           Voltage - Supply         2.5V           Frequency Stability         ±50ppm           Frequency Stability (Total)         ±50ppm, ±100ppm           Operating Temperature         2.0°C ~ 70°C           Spread Spectrum Bandwidth         -0.5%, Down Spread           Current - Supply (Max)         4.ImA           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         SiT9003           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 110MHz           Function         -           Output         LVCMOS, LVTTL           Voltage - Supply         2.5V           Frequency Stability (Total)         ±50ppm           Frequency Stability (Total)         ±50ppm, ±100ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -0.50%, Down Spread           Current - Supply (Max)         4.1mA           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	SIT9003AC-8-25DO
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Series         SiT9003           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 110MHz           Function         -           Output         LVCMOS, LVTTL           Voltage - Supply         2.5V           Frequency Stability         ±50ppm           Frequency Stability (Total)         ±50ppm, ±100ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -0.50%, Down Spread           Current - Supply (Max)         4.1mA           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
Type MEMS (Silicon)  Programmable Type Programmed as Request  Available Frequency Range 1MHz ~ 110MHz  Function -  Output LVCMOS, LVTTL  Voltage - Supply 2.5V  Frequency Stability Total) ±50ppm  Frequency Stability (Total) ±50ppm, ±100ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -0.50%, Down Spread  Current - Supply (Max) 4.1mA  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 1MHz ~ 110MHz  Function - CUtput LVCMOS, LVTTL  Voltage - Supply 2.5 V  Frequency Stability ±50ppm  Frequency Stability (Total) ±50ppm, ±100ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -0.50%, Down Spread  Current - Supply (Max) 4.1mA  Ratings - Current - Supply (Max) 4.1mA  Ratings - 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	SiT9003
Available Frequency Range  Function  Output  LVCMOS, LVTTL  Voltage - Supply  2.5V  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  -0.50%, Down Spread  Current - Supply (Max)  A 1mA  Ratings  -  Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  0.039" (1.00mm)	Туре	MEMS (Silicon)
Function - Cutput LVCMOS, LVTTL  Voltage - Supply 2.5V  Frequency Stability ±50ppm  Frequency Stability (Total) ±50ppm, ±100ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -0.50%, Down Spread  Current - Supply (Max) 4.1mA  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
Output LVCMOS, LVTTL  Voltage - Supply 2.5V  Frequency Stability ±50ppm  Frequency Stability (Total) ±50ppm, ±100ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -0.50%, Down Spread  Current - Supply (Max) 4.1mA  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)	Available Frequency Range	1MHz ~ 110MHz
Voltage - Supply  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  -0.50%, Down Spread  Current - Supply (Max)  Atings  -  Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  Height  2.5V  2.5V  2.5V  2.5V  4-SOPPM  4-SOPPM  4-SOPPM  5-V  5-V  6-V  7-V  6-V  7-V  7-V  7-V  7-V  7	Function	-
Frequency Stability (Total) ±50ppm, ±100ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -0.50%, Down Spread  Current - Supply (Max) 4.1mA  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 +50ppm  ±50ppm  ±50ppm  ±50ppm, ±100ppm  -20°C ~ 70°C  5.00%, Down Spread  4.1mA  4.1mA  4.1mA  6.00mm  5.00mm  6.0039" (1.00mm)	Output	LVCMOS, LVTTL
Frequency Stability (Total) $\pm 50$ ppm, $\pm 100$ ppm  Operating Temperature $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Spread Spectrum Bandwidth $-0.50\%$ , Down Spread  Current - Supply (Max) $4.1\text{mA}$ Ratings $-$ Mounting Type Surface Mount  Package / Case $4-\text{SMD}$ , No Lead  Size / Dimension $0.276^{\circ}\text{L} \times 0.197^{\circ}\text{W} (7.00\text{mm} \times 5.00\text{mm})$ Height $0.039^{\circ}$ (1.00mm)	Voltage - Supply	2.5V
Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth -0.50%, Down Spread Current - Supply (Max) 4.1mA 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	±50ppm
Spread Spectrum Bandwidth -0.50%, Down Spread  Current - Supply (Max) 4.1mA  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)	±50ppm, ±100ppm
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	-0.50%, Down Spread
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)	4.1mA
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?

#### SIT9003AC-8-25DO 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.

### SIT9003AC-8-25DO Payment Methods



















### SIT9003AC-8-25DO Shipping Methods













If you have any question about SIT9003AC-8-25DO, please do not hesitate to contact us!

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