



### SIT9003AC-2-18SD Information



For Reference Only

Part Number SIT9003AC-2-18SD

**Manufacturer** SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG LVCMOS 1.8V STBY 50PPM

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-2-18SD Specifications

Manufacturer Part Number         STT9003AC-2-18SD           Manufacturer         SiTIME           Category         Crystals, Oscillators, Resonators           Package         4-SMD, No Lead           Series         SiT9003           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         IMHz ~ 110MHz           Function         Standby           Output         LVCMOS, LVTTL           Voltage - Supply         LVCMOS, LVTTL           Frequency Stability         ±50ppm           Frequency Stability (Total)         ±50ppm, ±100ppm           Operating Temperature         2.0°C ~ 70°C           Spread Spectrum Bandwidth         ±0.50%, Center Spread           Current - Supply (Max)         3.5mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         0.031" (0.79mm)		
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         Standby           Output         LVCMOS, LVTTL           Voltage - Supply         1.8V           Frequency Stability         ±50ppm           Frequency Stability (Total)         ±50ppm, ±100ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         ±0.50%, Center Spread           Current - Supply (Max)         3.5mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         0.031" (0.79mm)	Manufacturer Part Number	SIT9003AC-2-18SD
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SeriesSiT9003TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range1MHz ~ 110MHzFunctionStandbyOutputLVCMOS, LVTTLVoltage - Supply1.8VFrequency Stability±50ppmFrequency Stability (Total)±50ppm, ±100ppmOperating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth±0.50%, Center SpreadCurrent - Supply (Max)3.5mARatings-Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.126" L x 0.098" W (3.20mm x 2.50mm)Height0.031" (0.79mm)		Programmable Oscillators
Type MEMS (Silicon)  Programmable Type Programmed as Request  Available Frequency Range IMHz ~ 110MHz  Function Standby  Output LVCMOS, LVTTL  Voltage - Supply 1.8V  Frequency Stability ±50ppm  Frequency Stability (Total) ±50ppm, ±100ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth ±0.50%, Center Spread  Current - Supply (Max) 3.5mA  Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height	Package	4-SMD, No Lead
Programmable Type Available Frequency Range IMHz ~ 110MHz Function Standby Output LVCMOS, LVTTL Voltage - Supply I.8V Frequency Stability Frequency Stability (Total) Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth ±0.50%, Center Spread Current - Supply (Max) Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.031" (0.79mm)  Programmed as Request IMHz ~ 110MHz  210MHz 210M	Series	SiT9003
Available Frequency Range  Function  Standby  Output  LVCMOS, LVTTL  Voltage - Supply  1.8V  Frequency Stability  ±50ppm  Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  ±0.50%, Center Spread  Current - Supply (Max)  3.5mA  Ratings  -  Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  0.031" (0.79mm)	Type	MEMS (Silicon)
Function Output LVCMOS, LVTTL  Voltage - Supply 1.8V Frequency Stability ±50ppm Frequency Stability (Total) Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth ±0.50%, Center Spread Current - Supply (Max) 3.5mA  Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.031" (0.79mm)  Standby  LVCMOS, LVTTL  1.8V  ±50ppm	Programmable Type	Programmed as Request
Output  Voltage - Supply  1.8V  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  LVCMOS, LVTTL  LVCMOS, LVTTL  LSV  -  LVCMOS, LVTTL  -  1.8V  -  -20°C ~ 70°C  -20	Available Frequency Range	1MHz ~ 110MHz
Voltage - Supply  Frequency Stability  Frequency Stability (Total)  Derating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  ±0.50%, Center Spread  Current - Supply (Max)  Ratings  -  Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  0.031" (0.79mm)	Function	Standby
Frequency Stability (Total) ±50ppm ±50ppm, ±100ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth ±0.50%, Center Spread  Current - Supply (Max) 3.5mA  Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height +50ppm    ±50ppm   ±50ppm, ±100ppm  -20°C ~ 70°C  -20°C ~ 70°C	Output	LVCMOS, LVTTL
Frequency Stability (Total)  Description  De	Voltage - Supply	1.8V
Operating Temperature $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Spread Spectrum Bandwidth $\pm 0.50\%$ , Center SpreadCurrent - Supply (Max) $3.5\text{mA}$ Ratings-Mounting TypeSurface MountPackage / Case $4\text{-SMD}$ , No LeadSize / Dimension $0.126^{\circ}\text{L x } 0.098^{\circ}\text{W } (3.20\text{mm x } 2.50\text{mm})$ Height $0.031^{\circ}$ (0.79mm)	Frequency Stability	±50ppm
Spread Spectrum Bandwidth ±0.50%, Center Spread  Current - Supply (Max) 3.5mA  Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height 0.031" (0.79mm)	Frequency Stability (Total)	±50ppm, ±100ppm
Current - Supply (Max)       3.5mA         Ratings       -         Mounting Type       Surface Mount         Package / Case       4-SMD, No Lead         Size / Dimension       0.126" L x 0.098" W (3.20mm x 2.50mm)         Height       0.031" (0.79mm)	Operating Temperature	-20°C ~ 70°C
Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm) Height 0.031" (0.79mm)	Spread Spectrum Bandwidth	±0.50%, Center Spread
Mounting Type Surface Mount  Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height 0.031" (0.79mm)	Current - Supply (Max)	3.5mA
Package / Case       4-SMD, No Lead         Size / Dimension       0.126" L x 0.098" W (3.20mm x 2.50mm)         Height       0.031" (0.79mm)	Ratings	-
Size / Dimension       0.126" L x 0.098" W (3.20mm x 2.50mm)         Height       0.031" (0.79mm)	Mounting Type	Surface Mount
Height 0.031" (0.79mm)	Package / Case	4-SMD, No Lead
	Size / Dimension	0.126" L x 0.098" W (3.20mm x 2.50mm)
Report errors?	Height	0.031" (0.79mm)
		Report errors?

#### SIT9003AC-2-18SD 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-2-18SD Payment Methods



















## SIT9003AC-2-18SD Shipping Methods













If you have any question about SIT9003AC-2-18SD, please do not hesitate to contact us!

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