



SIT9003AI-1-18SB Information

For Reference Only

Part Number SIT9003AI-1-18SB

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

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SIT9003AI-1-18SB Specifications

Manufacturer Part Number SIT9003AI-1-18SB Manufacturer SiTIME Category Crystals, Oscillators, Resonators Programmable Oscillators 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 ±0.25%, Center Spread Current - Supply (Max) 3.5mA 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 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 (Total) ±50ppm Frequency Stability (Total) ±50ppm, ±100ppm Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth ±0.25%, Center Spread Current - Supply (Max) 3.5mA 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)	Manufacturer Part Number	SIT9003AI-1-18SB
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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 -40°C ~ 85°C Spread Spectrum Bandwidth ±0.25%, Center Spread Current - Supply (Max) 3.5mA 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)		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 -40°C ~ 85°C Spread Spectrum Bandwidth ±0.25%, Center Spread Current - Supply (Max) 3.5mA 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)	Package	4-SMD, No Lead
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 -40°C ~ 85°C Spread Spectrum Bandwidth ±0.25%, Center Spread Current - Supply (Max) 3.5mA 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 0.0010 - 1000 - 10	Series	SiT9003
Available Frequency Range Function Standby Output LVCMOS, LVTTL Voltage - Supply 1.8V Frequency Stability Frequency Stability (Total) Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth ±0.25%, Center Spread Current - Supply (Max) 3.5mA 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	Туре	MEMS (Silicon)
Function Standby Output LVCMOS, LVTTL Voltage - Supply 1.8V Frequency Stability ±50ppm Frequency Stability (Total) ±50ppm, ±100ppm Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth ±0.25%, Center Spread Current - Supply (Max) 3.5mA 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)	Programmable Type	Programmed as Request
Output LVCMOS, LVTTL Voltage - Supply 1.8V Frequency Stability ±50ppm Frequency Stability (Total) ±50ppm, ±100ppm Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth ±0.25%, Center Spread Current - Supply (Max) 3.5mA 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)	Available Frequency Range	1MHz ~ 110MHz
Voltage - Supply Frequency Stability Frequency Stability (Total) Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth ±0.25%, Center Spread Current - Supply (Max) 3.5mA Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension Height 1.8V ±50ppm ±50ppm ±100ppm -40°C ~ 85°C 50 center Spread -40°C ~ 85°C Surface Mount ±0.25%, Center Spread ±0.25%, Cent	Function	Standby
Frequency Stability (Total) ±50ppm, ±100ppm Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth ±0.25%, Center Spread Current - Supply (Max) 3.5mA 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 ±0.000 mm x 2.00mm	Output	LVCMOS, LVTTL
Frequency Stability (Total) 50ppm, ±100ppm -40°C ~ 85°C Spread Spectrum Bandwidth ±0.25%, Center Spread Current - Supply (Max) 3.5mA 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	Voltage - Supply	1.8V
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Spread Spectrum Bandwidth $\pm 0.25\%$, Center SpreadCurrent - Supply (Max) 3.5mA Ratings-Mounting TypeSurface MountPackage / Case 4-SMD , No LeadSize / Dimension 0.098 " L x 0.079 " W (2.50mm x 2.00mm)Height 0.031 " (0.79mm)	Frequency Stability	±50ppm
Spread Spectrum Bandwidth ±0.25%, Center Spread Current - Supply (Max) 3.5mA 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)	Frequency Stability (Total)	±50ppm, ±100ppm
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) Height 0.031" (0.79mm)	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) Height 0.031" (0.79mm)	Spread Spectrum Bandwidth	±0.25%, Center Spread
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)	Current - Supply (Max)	3.5mA
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)	Ratings	-
Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm) Height 0.031" (0.79mm)	Mounting Type	Surface Mount
Height 0.031" (0.79mm)	Package / Case	4-SMD, No Lead
	Size / Dimension	0.098" L x 0.079" W (2.50mm x 2.00mm)
Report errors?	Height	0.031" (0.79mm)
		Report errors?

SIT9003AI-1-18SB 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.

SIT9003AI-1-18SB Payment Methods



















SIT9003AI-1-18SB Shipping Methods













If you have any question about SIT9003AI-1-18SB, please do not hesitate to contact us!

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