

# SIT9001AI-83-XXXX-000.FP000

#### SIT9001AI-83-XXXX-000.FP000 Information



For Reference Only

Part Number SIT9001AI-83-XXXX-000.FP000

Manufacturer SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PGM 1MHZ - 200MHZ 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.









## SIT9001AI-83-XXXX-000.FP000 Specifications

Category         Crystals, Oscillators, Resonators           Package         4-SMD, No Lead           Series         SiT9001           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         1MHz ~ 200MHz           Function         Enable/Disable, Standby           Output         LVCMOS           Voltage - Supply         1.8V, 2.5 V ~ 3.3 V           Frequency Stability         ±25ppm           Frequency Stability (Total)         -           Operating Temperature         -40°C ~ 85°C, -20°C ~ -40°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         34mA           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)		
Category         Crystals, Oscillators, Resonators           Programmable Oscillators           Package         4-SMD, No Lead           Series         SiT9001           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         1MHz ~ 200MHz           Function         Enable/Disable, Standby           Output         LVCMOS           Voltage - Supply         1.8V, 2.5 V ~ 3.3 V           Frequency Stability (Total)         -           Operating Temperature         -40°C ~ 85°C, -20°C ~ -40°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         34mA           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	SIT9001AI-83-XXXX-000.FP000
Package         4-SMD, No Lead           Series         SiT9001           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         1MHz ~ 200MHz           Function         Enable/Disable, Standby           Output         LVCMOS           Voltage - Supply         1.8V, 2.5 V ~ 3.3 V           Frequency Stability         ±25ppm           Frequency Stability (Total)         -           Operating Temperature         -40°C ~ 85°C, -20°C ~ -40°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         34mA           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         SiT9001           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         1MHz ~ 200MHz           Function         Enable/Disable, Standby           Output         LVCMOS           Voltage - Supply         1.8V, 2.5 V ~ 3.3 V           Frequency Stability         ±25ppm           Frequency Stability (Total)         -           Operating Temperature         -40°C ~ 85°C, -20°C ~ -40°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         34mA           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 SiT9001 Type MEMS (Silicon) Programmable Type Blank (User Must Program) Available Frequency Range 1MHz ~ 200MHz Function Enable/Disable, Standby Output LVCMOS Voltage - Supply 1.8V, 2.5 V ~ 3.3 V Frequency Stability ±25ppm Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C, -20°C ~ -40°C Spread Spectrum Bandwidth - Current - Supply (Max) 34mA 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 Blank (User Must Program)  Available Frequency Range 1MHz ~ 200MHz  Function Enable/Disable, Standby  Output LVCMOS  Voltage - Supply 1.8V, 2.5 V ~ 3.3 V  Frequency Stability ±25ppm  Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C, -20°C ~ -40°C  Spread Spectrum Bandwidth - Current - Supply (Max) 34mA  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  Blank (User Must Program)  Available Frequency Range  1MHz ~ 200MHz  Function  Enable/Disable, Standby  Output  LVCMOS  Voltage - Supply  1.8V, 2.5 V ~ 3.3 V  Frequency Stability  ±25ppm  Frequency Stability (Total)  - Operating Temperature  -40°C ~ 85°C, -20°C ~ -40°C  Spread Spectrum Bandwidth  - 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	Series	SiT9001
Available Frequency Range  IMHz ~ 200MHz  Enable/Disable, Standby  Output  LVCMOS  Voltage - Supply  1.8V, 2.5 V ~ 3.3 V  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C, -20°C ~ -40°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  0.0276" L x 0.197" W (7.00mm x 5.00mm)  Height	Туре	MEMS (Silicon)
Function  Dutput  LVCMOS  Voltage - Supply  1.8V, 2.5 V ~ 3.3 V  Frequency Stability  ±25ppm  Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C, -20°C ~ -40°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  0.039" (1.00mm)	Programmable Type	Blank (User Must Program)
Output LVCMOS  Voltage - Supply 1.8V, 2.5 V ~ 3.3 V  Frequency Stability ±25ppm  Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C, -20°C ~ -40°C  Spread Spectrum Bandwidth - Current - Supply (Max) 34mA  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 ~ 200MHz
Voltage - Supply  1.8V, 2.5 V ~ 3.3 V  Frequency Stability  ±25ppm  Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C, -20°C ~ -40°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  34mA  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)	Function	Enable/Disable, Standby
Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C, -20°C ~ -40°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  Size / Dimension  O.276" L x 0.197" W (7.00mm x 5.00mm)  Height  +25ppm  -40°C ~ 85°C, -20°C ~ -40°C  -40	Output	LVCMOS
Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C, -20°C ~ -40°C  Spread Spectrum Bandwidth  - 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)	Voltage - Supply	1.8V, 2.5 V ~ 3.3 V
Operating Temperature -40°C ~ 85°C, -20°C ~ -40°C  Spread Spectrum Bandwidth - Current - Supply (Max) 34mA  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	±25ppm
Spread Spectrum Bandwidth  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)	Frequency Stability (Total)	-
Current - Supply (Max)       34mA         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	-40°C ~ 85°C, -20°C ~ -40°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)	34mA
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?

#### SIT9001AI-83-XXXX-000.FP000 Guarantees



#### **Ouality 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.

### SIT9001AI-83-XXXX-000.FP000 Payment Methods



















## SIT9001AI-83-XXXX-000.FP000 Shipping Methods













If you have any question about SIT9001AI-83-XXXX-000.FP000, please do not hesitate to contact us!

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