

# SIT3821AI-1C2-XXXX000.FP0000

### SIT3821AI-1C2-XXXX000.FP0000 Information



For Reference Only

Part Number SIT3821AI-1C2-XXXX000.FP0000

**Manufacturer** SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PGM 1MHZ - 220MHZ SMD

Package 6-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.









# SIT3821AI-1C2-XXXX000.FP0000 Specifications

Manufacturer Part Number         SIT3821AI-1C2-XXXX000.FP0000           Manufacturer         SiTIME           Category         Crystals, Oscillators, Resonators           Package         6-SMD, No Lead           Series         SiT3821           Type         MEMS VCXO           Programmable Type         Blank (User Must Program)           Available Frequency Range         1MHz ~ 220MHz           Function         Enable/Disable, Standby           Output         LVPECL           Voltage - Supply         2.5V, 3.3V           Frequency Stability         110pm           Frequency Stability (Total)         -           Operating Temperature         -40°C ~ 85°C, -20°C ~ -40°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         69mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.197" L x 0.126" W (5.00mm x 3.20mm)           Height         0.031" (0.79mm)		
Category         Crystals, Oscillators, Resonators           Package         6-SMD, No Lead           Series         SiT3821           Type         MEMS VCXO           Programmable Type         Blank (User Must Program)           Available Frequency Range         1MHz ~ 220MHz           Function         Enable/Disable, Standby           Output         LVPECL           Voltage - Supply         ±10ppm           Frequency Stability (Total)         -           Operating Temperature         40°C ~ 85°C, -20°C ~ -40°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         69mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.197" L x 0.126" W (5.00mm x 3.20mm)           Height         0.031" (0.79mm)	Manufacturer Part Number	SIT3821AI-1C2-XXXX000.FP0000
Package         6-SMD, No Lead           Series         SiT3821           Type         MEMS VCXO           Programmable Type         Blank (User Must Program)           Available Frequency Range         IMHz ~ 220MHz           Function         Enable/Disable, Standby           Output         LVPECL           Voltage - Supply         2.5V, 3.3V           Frequency Stability         ±10ppm           Frequency Stability (Total)         -           Operating Temperature         -40°C ~ 85°C, -20°C ~ -40°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         69mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.197" L x 0.126" W (5.00mm x 3.20mm)           Height         0.031" (0.79mm)	Manufacturer	SiTIME
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TypeMEMS VCXOProgrammable TypeBlank (User Must Program)Available Frequency Range1MHz ~ 220MHzFunctionEnable/Disable, StandbyOutputLVPECLVoltage - Supply2.5V, 3.3VFrequency Stability±10ppmFrequency Stability (Total)-Operating Temperature-40°C ~ 85°C, -20°C ~ -40°CSpread Spectrum Bandwidth-Current - Supply (Max)69mARatings-Mounting TypeSurface MountPackage / Case6-SMD, No LeadSize / Dimension0.197" L x 0.126" W (5.00mm x 3.20mm)Height0.031" (0.79mm)	Package	6-SMD, No Lead
Programmable Type  Available Frequency Range  IMHz ~ 220MHz  Function  Enable/Disable, Standby  Output  LVPECL  Voltage - Supply  5.5V, 3.3V  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  6-SMD, No Lead  Size / Dimension  Height  Blank (User Must Program)  Blank (User Must Program)  6-SMD, No Lead  Slank (User Must Program)  1MHz ~ 220MHz  1MHz ~ 20	Series	SiT3821
Available Frequency Range  Function  Enable/Disable, Standby  Output  LVPECL  Voltage - Supply  2.5V, 3.3V  Frequency Stability  ±10ppm  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  0.197" L x 0.126" W (5.00mm x 3.20mm)  Height	Туре	MEMS VCXO
Function Enable/Disable, Standby Output LVPECL Voltage - Supply 2.5V, 3.3V Frequency Stability ±10ppm Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C, -20°C ~ -40°C Spread Spectrum Bandwidth - Current - Supply (Max) 69mA Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm) Height 0.031" (0.79mm)	Programmable Type	Blank (User Must Program)
Output LVPECL  Voltage - Supply 2.5V, 3.3V  Frequency Stability ±10ppm  Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C, -20°C ~ -40°C  Spread Spectrum Bandwidth - Current - Supply (Max) 69mA  Ratings - Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height 0.0031" (0.79mm)	Available Frequency Range	1MHz ~ 220MHz
Voltage - Supply  2.5V, 3.3V  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C, -20°C ~ -40°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  69mA  Ratings  - Mounting Type  Surface Mount  Package / Case  6-SMD, No Lead  Size / Dimension  0.031" (0.79mm)	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  0.031" (0.79mm)	Output	LVPECL
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  6-SMD, No Lead  Size / Dimension  0.197" L x 0.126" W (5.00mm x 3.20mm)  Height  -40°C ~ 85°C, -20°C ~ -40°C  -4	Voltage - Supply	2.5V, 3.3V
Operating Temperature -40°C ~ 85°C, -20°C ~ -40°C  Spread Spectrum Bandwidth - Current - Supply (Max) 69mA  Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm) Height 0.031" (0.79mm)	Frequency Stability	±10ppm
Spread Spectrum Bandwidth  Current - Supply (Max)  Ratings  - Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height 0.031" (0.79mm)	Frequency Stability (Total)	-
Current - Supply (Max)  Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm) Height 0.031" (0.79mm)	Operating Temperature	-40°C ~ 85°C, -20°C ~ -40°C
Ratings -  Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height 0.031" (0.79mm)	Spread Spectrum Bandwidth	-
Mounting Type Surface Mount  Package / Case 6-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height 0.031" (0.79mm)	Current - Supply (Max)	69mA
Package / Case       6-SMD, No Lead         Size / Dimension       0.197" L x 0.126" W (5.00mm x 3.20mm)         Height       0.031" (0.79mm)	Ratings	-
Size / Dimension       0.197" L x 0.126" W (5.00mm x 3.20mm)         Height       0.031" (0.79mm)	Mounting Type	Surface Mount
Height 0.031" (0.79mm)	Package / Case	6-SMD, No Lead
-	Size / Dimension	0.197" L x 0.126" W (5.00mm x 3.20mm)
Report errors?	Height	0.031" (0.79mm)
		Report errors?

#### SIT3821AI-1C2-XXXX000.FP0000 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.

### SIT3821AI-1C2-XXXX000.FP0000 Payment Methods



















## SIT3821AI-1C2-XXXX000.FP0000 Shipping Methods













If you have any question about SIT3821AI-1C2-XXXX000.FP0000, please do not hesitate to contact us!

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