



#### SIT3821AI-1D-25EB Information



For Reference Only

Part Number SIT3821AI-1D-25EB

**Manufacturer** SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG LVPECL 2.5V EN/DS 10PPM

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-1D-25EB Specifications

Manufacturer Part Number       SIT3821AI-1D-25EB         Manufacturer       SiTIME         Category       Crystals, Oscillators, Resonators         Package       6-SMD, No Lead         Series       SiT3821         Type       MEMS VCXO         Programmable Type       Programmed as Request         Available Frequency Range       1MHz ~ 220MHz         Function       Enable/Disable         Output       LVPECL         Voltage - Supply       2.5V         Frequency Stability       ±10ppm         Frequency Stability (Total)       -         Operating Temperature       -40°C ~ 85°C         Spread Spectrum Bandwidth       -         Current - Supply (Max)       69mA         Ratings       -         Mounting Type       Surface Mount         Package / Case       6-SMD, No Lead         Size / Dimension       0.276" L x 0.197" W (7.00mm x 5.00mm)		
Category         Crystals, Oscillators, Resonators           Package         6-SMD, No Lead           Series         SiT3821           Type         MEMS VCXO           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 220MHz           Function         Enable/Disable           Output         LVPECL           Voltage - Supply         2.5V           Frequency Stability         ±10ppm           Frequency Stability (Total)         -           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         69mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.276" L x 0.197" W (7.00mm x 5.00mm)	Manufacturer Part Number	SIT3821AI-1D-25EB
Package 6-SMD, No Lead Series SiT3821 Type MEMS VCXO Programmable Type Programmed as Request Available Frequency Range 1MHz ~ 220MHz Function Enable/Disable Output LVPECL Voltage - Supply 2.5V Frequency Stability ±10ppm Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth - Current - Supply (Max) 69mA Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)	Manufacturer	SiTIME
Package         6-SMD, No Lead           Series         SiT3821           Type         MEMS VCXO           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 220MHz           Function         Enable/Disable           Output         LVPECL           Voltage - Supply         2.5V           Frequency Stability         ±10ppm           Frequency Stability (Total)         -           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         69mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.276" L x 0.197" W (7.00mm x 5.00mm)	Category	Crystals, Oscillators, Resonators
SeriesSiT3821TypeMEMS VCXOProgrammable TypeProgrammed as RequestAvailable Frequency Range1MHz ~ 220MHzFunctionEnable/DisableOutputLVPECLVoltage - Supply2.5VFrequency Stability±10ppmFrequency Stability (Total)-Operating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)69mARatings-Mounting TypeSurface MountPackage / Case6-SMD, No LeadSize / Dimension0.276" L x 0.197" W (7.00mm x 5.00mm)		Programmable Oscillators
TypeMEMS VCXOProgrammable TypeProgrammed as RequestAvailable Frequency Range1MHz ~ 220MHzFunctionEnable/DisableOutputLVPECLVoltage - Supply2.5VFrequency Stability±10ppmFrequency Stability (Total)-Operating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)69mARatings-Mounting TypeSurface MountPackage / Case6-SMD, No LeadSize / Dimension0.276" L x 0.197" W (7.00mm x 5.00mm)	Package	6-SMD, No Lead
Programmable Type Programmed as Request  Available Frequency Range 1MHz ~ 220MHz  Function Enable/Disable  Output LVPECL  Voltage - Supply 2.5V  Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth - Current - Supply (Max) 69mA  Ratings - Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)	Series	SiT3821
Available Frequency Range Function Enable/Disable Output LVPECL Voltage - Supply 2.5V Frequency Stability Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth - Current - Supply (Max) Ratings - Mounting Type Surface Mount Package / Case Size / Dimension  1MHz ~ 220MHz Enable/Disable  LVPECL  2.5V - 40°C ~ 85°C - 85°C - 89mA - 69mA - 8urface Mount - 9ackage / Case 6-SMD, No Lead Size / Dimension  0.276" L x 0.197" W (7.00mm x 5.00mm)	Type	MEMS VCXO
Function Enable/Disable Output LVPECL Voltage - Supply 2.5V Frequency Stability ±10ppm Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth - Current - Supply (Max) 69mA Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)	Programmable Type	Programmed as Request
OutputLVPECLVoltage - Supply2.5 VFrequency Stability±10ppmFrequency Stability (Total)-Operating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)69mARatings-Mounting TypeSurface MountPackage / Case6-SMD, No LeadSize / Dimension0.276" L x 0.197" W (7.00mm x 5.00mm)	Available Frequency Range	1MHz ~ 220MHz
Voltage - Supply  Frequency Stability  ±10ppm  Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  6-SMD, No Lead  Size / Dimension  2.5V  ±10ppm  - 40°C ~ 85°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  69mA  Surface Mount  0.276" L x 0.197" W (7.00mm x 5.00mm)	Function	Enable/Disable
Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  6-SMD, No Lead  Size / Dimension  ±10ppm  -  40°C ~ 85°C  -  69mA  -  Surface Mount  69mA  Surface Mount  6-SMD, No Lead  0.276" L x 0.197" W (7.00mm x 5.00mm)	Output	LVPECL
Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  6-SMD, No Lead  Size / Dimension  - 0.276" L x 0.197" W (7.00mm x 5.00mm)	Voltage - Supply	2.5V
Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth - Current - Supply (Max) 69mA  Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)	Frequency Stability	±10ppm
Spread Spectrum Bandwidth  Current - Supply (Max)  69mA  Ratings  -  Mounting Type  Surface Mount  Package / Case  6-SMD, No Lead  Size / Dimension  0.276" L x 0.197" W (7.00mm x 5.00mm)	Frequency Stability (Total)	-
Current - Supply (Max)  Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)	Operating Temperature	-40°C ~ 85°C
Ratings -  Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)	Spread Spectrum Bandwidth	-
Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)	Current - Supply (Max)	69mA
Package / Case 6-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)	Ratings	-
Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)	Mounting Type	Surface Mount
	Package / Case	6-SMD, No Lead
H ' 1,	Size / Dimension	0.276" L x 0.197" W (7.00mm x 5.00mm)
Height 0.039 (1.00mm)	Height	0.039" (1.00mm)
Report errors?		Report errors?

#### SIT3821AI-1D-25EB 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.

## SIT3821AI-1D-25EB Payment Methods



















### SIT3821AI-1D-25EB Shipping Methods













If you have any question about SIT3821AI-1D-25EB, please do not hesitate to contact us!

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