



#### SIT3822AC-1D-25EM Information



For Reference Only

Part Number SIT3822AC-1D-25EM

**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



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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.









## SIT3822AC-1D-25EM Specifications

Manufacturer Part Number         SIT3822AC-1D-25EM           Manufacturer         SiTIME           Category         Crystals, Oscillators, Resonators           Package         6-SMD, No Lead           Series         SiT3822           Type         MEMS VCXO           Programmable Type         Programmed as Request           Available Frequency Range         220MHz ~ 625MHz           Function         Enable/Disable           Output         LVPECL           Voltage - Supply         ± 10ppm           Frequency Stability         ± 10ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°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)           Height         0.039" (1.00mm)		
Category         Crystals, Oscillators, Resonators           Package         6-SMD, No Lead           Series         SiT3822           Type         MEMS VCXO           Programmable Type         Programmed as Request           Available Frequency Range         220MHz ~ 625MHz           Function         Enable/Disable           Output         LVPECL           Voltage - Supply         ± 10ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°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)           Height         0.039" (1.00mm)	Manufacturer Part Number	SIT3822AC-1D-25EM
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Available Frequency Range  Function  Enable/Disable  Output  LVPECL  Voltage - Supply  2.5V  Frequency Stability  ±10ppm  Frequency Stability (Total)  - Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  Size / Dimension  0.276" L x 0.197" W (7.00mm x 5.00mm)  Height	Туре	MEMS VCXO
Function Enable/Disable Output LVPECL Voltage - Supply 2.5V Frequency Stability ±10ppm Frequency Stability (Total) - Operating Temperature -20°C ~ 70°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) Height 0.009" (1.00mm)	Programmable Type	Programmed as Request
OutputLVPECLVoltage - Supply2.5VFrequency Stability±10ppmFrequency Stability (Total)-Operating Temperature-20°C ~ 70°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)Height0.039" (1.00mm)	Available Frequency Range	220MHz ~ 625MHz
Voltage - Supply  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  6-SMD, No Lead  Size / Dimension  Height  2.5V  2.5V  2.5V  2.5V  5PV  4.10  -  Current  - Current  - Supply  - Current  - Supply  - Current  - Supply  - Current  - Current  - Supply  - Current  - Supply  - Current  - Supply  - Current  - Current  - Supply  - Current  - Supply  - Current  - Current  - Current  - Supply  - Current  - Cur	Function	Enable/Disable
Frequency Stability (Total)	Output	LVPECL
Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°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)  Height	Voltage - Supply	2.5V
Operating Temperature -20°C ~ 70°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) Height 0.039" (1.00mm)	Frequency Stability	±10ppm
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)  Height 0.039" (1.00mm)	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) Height 0.039" (1.00mm)	Operating Temperature	-20°C ~ 70°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)  Height 0.039" (1.00mm)	Spread Spectrum Bandwidth	-
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Package / Case       6-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	6-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?

#### SIT3822AC-1D-25EM 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.

#### SIT3822AC-1D-25EM Payment Methods



















## SIT3822AC-1D-25EM Shipping Methods













If you have any question about SIT3822AC-1D-25EM, please do not hesitate to contact us!

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