



#### SIT3821AC-2B-33NM Information



For Reference Only

Part Number SIT3821AC-2B-33NM

Manufacturer SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG LVDS 3.3V 10PPM 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.









## SIT3821AC-2B-33NM Specifications

Manufacturer Part Number         SIT3821AC-2B-33NM           Manufacturer         SiTIME           Category         Crystals, Oscillators, Resonators           Programmable Oscillators           Package         6-SMD, No Lead           Series         SiT3821           Type         MEMS VCXO           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 220MHz           Function         -           Output         LVDS           Voltage - Supply         3.3V           Frequency Stability         ±10ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         55mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         0.031" (0.79mm)		
Category         Crystals, Oscillators, Resonators           Package         6-SMD, No Lead           Series         SiT3821           Type         MEMS VCXO           Programmable Type         Programmed as Request           Available Frequency Range         IMHz ~ 220MHz           Function         -           Output         LVDS           Voltage - Supply         3.3V           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         55mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         0.031" (0.79mm)	Manufacturer Part Number	SIT3821AC-2B-33NM
Package         6-SMD, No Lead           Series         SiT3821           Type         MEMS VCXO           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 220MHz           Function         -           Output         LVDS           Voltage - Supply         3.3V           Frequency Stability         ±10ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         55mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         0.031" (0.79mm)	Manufacturer	SiTIME
Package         6-SMD, No Lead           Series         SiT3821           Type         MEMS VCXO           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 220MHz           Function         -           Output         LVDS           Voltage - Supply         3.3V           Frequency Stability         ±10ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         55mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         0.031" (0.79mm)	Category	Crystals, Oscillators, Resonators
Series         SiT3821           Type         MEMS VCXO           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 220MHz           Function         -           Output         LVDS           Voltage - Supply         3.3V           Frequency Stability         ±10ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         55mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         0.031" (0.79mm)		Programmable Oscillators
Type MEMS VCXO  Programmable Type Programmed as Request  Available Frequency Range IMHz ~ 220MHz  Function -  Output LVDS  Voltage - Supply 3.3V  Frequency Stability + 10ppm  Frequency Stability (Total) -  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 55mA  Ratings -  Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height 0.031" (0.79mm)	Package	6-SMD, No Lead
Programmable Type Programmed as Request  Available Frequency Range 1MHz ~ 220MHz  Function - Cutput LVDS  Voltage - Supply 3.3V  Frequency Stability ±10ppm  Frequency Stability (Total) - Coperating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth - Current - Supply (Max) 55mA  Ratings - Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height 0.001	Series	SiT3821
Available Frequency Range  Function  Output  LVDS  Voltage - Supply  3.3V  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  Available Frequency Range  Frequency Stability  - Mounting Type  Surface Mount  Package / Case  6-SMD, No Lead  Size / Dimension  0.031" (0.79mm)	Туре	MEMS VCXO
Function - Coutput LVDS  Voltage - Supply 3.3V  Frequency Stability ±10ppm  Frequency Stability (Total) - Coperating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth - Current - Supply (Max) 55mA  Ratings - Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.031" (0.79mm)	Programmable Type	Programmed as Request
OutputLVDSVoltage - Supply3.3VFrequency Stability±10ppmFrequency Stability (Total)-Operating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)55mARatings-Mounting TypeSurface MountPackage / Case6-SMD, No LeadSize / Dimension0.126" L x 0.098" W (3.20mm x 2.50mm)Height0.031" (0.79mm)	Available Frequency Range	1MHz ~ 220MHz
Voltage - Supply  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Statings  - Mounting Type  Surface Mount  Package / Case  Size / Dimension  Height  3.3V  3.3V  \$100ppm  -  Surface Mount  5-  Surface Mount  6-SMD, No Lead  5.300pm  0.126" L x 0.098" W (3.20mm x 2.50mm)  0.031" (0.79mm)	Function	-
Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  Current - Supply (Max)  Stability (Total)  -  Mounting Type  Surface Mount  Package / Case  Size / Dimension  Dimension  Dimension  1	Output	LVDS
Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  S55mA  Ratings  - Mounting Type  Surface Mount  Package / Case  6-SMD, No Lead  Size / Dimension  0.126" L x 0.098" W (3.20mm x 2.50mm)  Height  0.031" (0.79mm)	Voltage - Supply	3.3V
Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth - Current - Supply (Max)  S5mA  Ratings - Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height 0.031" (0.79mm)	Frequency Stability	±10ppm
Spread Spectrum Bandwidth  Current - Supply (Max)  S55mA  Ratings  - Mounting Type  Surface Mount  Package / Case  6-SMD, No Lead  Size / Dimension  0.126" L x 0.098" W (3.20mm x 2.50mm)  Height  0.031" (0.79mm)	Frequency Stability (Total)	-
Current - Supply (Max)  Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm) Height 0.031" (0.79mm)	Operating Temperature	-20°C ~ 70°C
Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm) Height 0.031" (0.79mm)	Spread Spectrum Bandwidth	-
Mounting Type Surface Mount  Package / Case 6-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height 0.031" (0.79mm)	Current - Supply (Max)	55mA
Package / Case 6-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm) Height 0.031" (0.79mm)	Ratings	-
Size / Dimension       0.126" L x 0.098" W (3.20mm x 2.50mm)         Height       0.031" (0.79mm)	Mounting Type	Surface Mount
Height 0.031" (0.79mm)	Package / Case	6-SMD, No Lead
	Size / Dimension	0.126" L x 0.098" W (3.20mm x 2.50mm)
Report errors?	Height	0.031" (0.79mm)
		Report errors?

#### SIT3821AC-2B-33NM 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.

### SIT3821AC-2B-33NM Payment Methods



















## SIT3821AC-2B-33NM Shipping Methods













If you have any question about SIT3821AC-2B-33NM, please do not hesitate to contact us!

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