



### SIT3821AC-2D-33NE Information



For Reference Only

Part Number SIT3821AC-2D-33NE

**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



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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.









# **SIT3821AC-2D-33NE Specifications**

| Manufacturer Part Number         SIT3821AC-2D-33NE           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         0.276" 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         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         0.276" L x 0.197" W (7.00mm x 5.00mm)           Height         0.039" (1.00mm)  | Manufacturer Part Number    | SIT3821AC-2D-33NE                     |
| 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         0.276" L x 0.197" W (7.00mm x 5.00mm)           Height         0.039" (1.00mm)  | 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         0.276" L x 0.197" W (7.00mm x 5.00mm)           Height         0.039" (1.00mm)  | 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         0.276" L x 0.197" W (7.00mm x 5.00mm)           Height         0.039" (1.00mm)   |                             | Programmable Oscillators              |
| Type MEMS VCXO  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 - 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)   | 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 0.276" L x 0.197" W (7.00mm x 5.00mm)  Height 0.00000000000000000000000000000000000  | 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  0.039" (1.00mm)  | Туре                        | MEMS VCXO                             |
| Function - Cutput LVDS  Voltage - Supply 3.3V  Frequency Stability ±10ppm  Frequency Stability (Total) - Current - Supply (Max) 55mA  Ratings - Current - Supply (Max) 55mA  Ratings - Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.039" (1.00mm)  | Programmable Type           | Programmed as Request                 |
| 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 0.276" L x 0.197" W (7.00mm x 5.00mm)  Height 0.039" (1.00mm)  | 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  -20°C ~ 70°C  STRA  -  Surface Mount  -  Surface Mount  -  0.276" L x 0.197" W (7.00mm x 5.00mm)  -  0.039" (1.00mm)   | Function                    | -                                     |
| Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  Current - Supply (Max)  Stability  -  Mounting Type  Surface Mount  Package / Case  Size / Dimension  Double Temperature  -20°C ~ 70°C  -20°C ~ 70° | 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  0.276" L x 0.197" W (7.00mm x 5.00mm)  Height  0.039" (1.00mm)  | 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 0.276" L x 0.197" W (7.00mm x 5.00mm)  Height 0.039" (1.00mm)   | Frequency Stability         | ±10ppm                                |
| Spread Spectrum Bandwidth - Current - Supply (Max) 55mA  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   | -                                     |
| 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)  | Current - Supply (Max)      | 55mA                                  |
| 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?                        |

#### SIT3821AC-2D-33NE 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.

### **SIT3821AC-2D-33NE Payment Methods**



















## SIT3821AC-2D-33NE Shipping Methods













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

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