



# SIT9002AC-03H33SQ Information



For Reference Only

Part Number SIT9002AC-03H33SQ

**Manufacturer** SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG LVPECL 3.3V STBY 25PPM

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.









## SIT9002AC-03H33SQ Specifications

| Manufacturer Part Number         SIT9002AC-03H33SQ           Manufacturer         SiTIME           Category         Crystals, Oscillators, Resonators           Programmable Oscillators           Package         6-SMD, No Lead           Series         SiT9002           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 220MHz           Function         Standby           Output         LVPECL           Voltage - Supply         3.3V           Frequency Stability         ±25ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -1.00%, Down Spread           Current - Supply (Max)         84mA           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         SiT9002           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         IMHz ~ 220MHz           Function         Standby           Output         LVPECL           Voltage - Supply         3.3V           Frequency Stability         ±25ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -1.00%, Down Spread           Current - Supply (Max)         84mA           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    | SIT9002AC-03H33SQ                     |
| Package         6-SMD, No Lead           Series         SiT9002           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 220MHz           Function         Standby           Output         LVPECL           Voltage - Supply         3.3V           Frequency Stability         ±25ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -1.00%, Down Spread           Current - Supply (Max)         84mA           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                                |
| Package         6-SMD, No Lead           Series         SiT9002           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 220MHz           Function         Standby           Output         LVPECL           Voltage - Supply         3.3V           Frequency Stability         ±25ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -1.00%, Down Spread           Current - Supply (Max)         84mA           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     |
| Series         SiT9002           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 220MHz           Function         Standby           Output         LVPECL           Voltage - Supply         3.3V           Frequency Stability         ±25ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -1.00%, Down Spread           Current - Supply (Max)         84mA           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 Oscillators              |
| Type MEMS (Silicon)  Programmable Type Programmed as Request  Available Frequency Range IMHz ~ 220MHz  Function Standby  Output LVPECL  Voltage - Supply 3.3V  Frequency Stability + ±25ppm  Frequency Stability (Total) - Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -1.00%, Down Spread  Current - Supply (Max) 84mA  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)  | Package                     | 6-SMD, No Lead                        |
| Programmable Type Programmed as Request  Available Frequency Range 1MHz ~ 220MHz  Function Standby  Output LVPECL  Voltage - Supply 3.3V  Frequency Stability ±25ppm  Frequency Stability (Total) - Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -1.00%, Down Spread  Current - Supply (Max) 84mA  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 0.001   | Series                      | SiT9002                               |
| Available Frequency Range  Function  Standby  Output  LVPECL  Voltage - Supply  3.3V  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  -1.00%, Down Spread  Current - Supply (Max)  Ratings  -  Mounting Type  Surface Mount  Package / Case  6-SMD, No Lead  Size / Dimension  0.031" (0.79mm)  | Туре                        | MEMS (Silicon)                        |
| Function Standby Output LVPECL Voltage - Supply 3.3V Frequency Stability ±25ppm Frequency Stability (Total) - Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth -1.00%, Down Spread Current - Supply (Max) 84mA 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)   | Programmable Type           | Programmed as Request                 |
| Output LVPECL  Voltage - Supply 3.3V  Frequency Stability ±25ppm  Frequency Stability (Total) - Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -1.00%, Down Spread  Current - Supply (Max) 84mA  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  3.3V  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  -1.00%, Down Spread  Current - Supply (Max)  84mA  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)   | Function                    | Standby                               |
| Frequency Stability (Total)   | Output                      | LVPECL                                |
| Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  -1.00%, Down Spread  Current - Supply (Max)  84mA  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)  | Voltage - Supply            | 3.3V                                  |
| Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth -1.00%, Down Spread Current - Supply (Max) 84mA 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         | ±25ppm                                |
| Spread Spectrum Bandwidth -1.00%, Down Spread  Current - Supply (Max) 84mA  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       | -20°C ~ 70°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   | -1.00%, Down Spread                   |
| 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)      | 84mA                                  |
| 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) |
|   | Height                      | 0.031" (0.79mm)                       |
| Report errors?  |                             | Report errors?                        |

## SIT9002AC-03H33SQ 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.

## SIT9002AC-03H33SQ Payment Methods



















## SIT9002AC-03H33SQ Shipping Methods













If you have any question about SIT9002AC-03H33SQ, please do not hesitate to contact us!

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