

# SIT2024BEAS-25E

#### SIT2024BEAS-25E Information



| Part Number  | SIT2024BEAS-25E  |  |
|--------------|--|--|
| Manufacturer | SiTIME   |  |
| Category     | Crystals, Oscillators, Resonators<br>Programmable Oscillators                                  |  |
| Description  | PROG OSC BLANK 1MHZ-110MHZ   |  |
| Package      | SC-74A, SOT-753  |  |
|              | For the pricing/inventory/lead time, please contact<br>us<br>Website: https://www.heisener.com |  |
|              | E-mail: salesdept@heisener.com   |  |



Request a Quote

For Reference Only

## **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.



### SIT2024BEAS-25E Specifications

| ManufacturerSiTIMECategoryCrystals, Oscillators, ResonatorsProgrammable OscillatorsProgrammable OscillatorsPackageSc-74A, SOT-753SeriesSiT2024BTypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range-FunctionEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability (Total)±25pmOperating Temperature-40°C ~ 105°COperator Supply (Max)4.8mARatingsAEC-Q100 |                             |  |
|--|-----------------------------|--|
| CategoryCrystals, Oscillators, ResonatorsProgrammable OscillatorsProdecadePackageSc-74A, SOT-753SeriesSiT2024BTypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range-FunctionEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability (Total)±25pmOperating Temperature40°C ~ 105°CSpread Spectrum Bandwidth-RatingsAEC-Q100                                   | Manufacturer Part Number    | SIT2024BEAS-25E                                |
| Programmable OscillatorsPackageSC-74A, SOT-753PackageSC-74A, SOT-753SeriesSiT2024BTypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range-FunctionEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability (Total)±25pmPrequency Stability (Total)-Spread Spectrum Bandwidth-Current - Supply (Max)AsmARatingsAEC-Q100  | Manufacturer                | SiTIME   |
| PackageSC-74A, SOT-753SeriesSiT2024BTypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range-FunctionEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability (Total)±25ppmOperating Temperature-40°C ~ 105°CSpread Spectrum Bandwidth-RatingsAEC-Q100   | Category                    | Crystals, Oscillators, Resonators              |
| SeriesSiT2024BTypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range-FunctionEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability (Total)±25ppmOperating Temperature-40°C ~ 105°CSpread Spectrum Bandwidth-Current - Supply (Max)AEC-Q100  |                             | Programmable Oscillators                       |
| TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range-FunctionEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability (Total)±25pmOperating Temperature-40°C ~ 105°CSpread Spectrum Bandwidth-RatingsAEC-Q100  | Package                     | SC-74A, SOT-753                                |
| Programmable TypeProgrammed as RequestProgrammable Type-Available Frequency Range-FunctionEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability (Total)±25pmPrequency Stability (Total)-40°C ~ 105°COperating Temperature-Spread Spectrum Bandwidth-Current - Supply (Max)A8mARatingsAEC-Q100  | Series                      | SiT2024B                                       |
| Available Frequency Range-FunctionEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability (Total)±25ppmFrequency Stability (Total)±25ppmOperating Temperature-40°C ~ 105°CSpread Spectrum Bandwidth-Current - Supply (Max)4.8mARatingsAEC-Q100   | Туре                        | MEMS (Silicon)                                 |
| Function     Enable/Disable       Output     LVCMOS       Voltage - Supply     2.5V       Frequency Stability     ±25ppm       Frequency Stability (Total)     ±25ppm       Operating Temperature     -40°C ~ 105°C       Spread Spectrum Bandwidth     -       Current - Supply (Max)     4.8mA       Ratings     AEC-Q100  | Programmable Type           | Programmed as Request                          |
| DutputLVCMOSVoltage - Supply2.5VFrequency Stability±25ppmFrequency Stability (Total)±25ppmOperating Temperature-40°C ~ 105°CSpread Spectrum Bandwidth-Current - Supply (Max)4.8mARatingsAEC-Q100   | Available Frequency Range   | -  |
| Yoltage - Supply2.5VFrequency Stability±25ppmFrequency Stability (Total)±25ppmOperating Temperature-40°C ~ 105°CSpread Spectrum Bandwidth-Current - Supply (Max)4.8mARatingsAEC-Q100   | Function                    | Enable/Disable                                 |
| Frequency Stability±25ppmFrequency Stability (Total)±25ppmOperating Temperature-40°C ~ 105°CSpread Spectrum Bandwidth-Current - Supply (Max)4.8mARatingsAEC-Q100   | Output                      | LVCMOS   |
| Frequency Stability (Total)±25ppmOperating Temperature-40°C ~ 105°CSpread Spectrum Bandwidth-Current - Supply (Max)4.8mARatingsAEC-Q100  | Voltage - Supply            | 2.5V   |
| Operating Temperature-40°C ~ 105°CSpread Spectrum Bandwidth-Current - Supply (Max)4.8mARatingsAEC-Q100   | Frequency Stability         | ±25ppm   |
| Spread Spectrum Bandwidth -   Current - Supply (Max) 4.8mA   Ratings AEC-Q100  | Frequency Stability (Total) | ±25ppm   |
| Current - Supply (Max)4.8mARatingsAEC-Q100   | Operating Temperature       | $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ |
| Ratings AEC-Q100   | Spread Spectrum Bandwidth   | -  |
|  | Current - Supply (Max)      | 4.8mA  |
| Mounting Type Surface Mount  | Ratings                     | AEC-Q100                                       |
|  | Mounting Type               | Surface Mount                                  |
| Package / Case SC-74A, SOT-753   | Package / Case              | SC-74A, SOT-753                                |
| Size / Dimension     0.114" L x 0.063" W (2.90mm x 1.60mm)   | Size / Dimension            | 0.114" L x 0.063" W (2.90mm x 1.60mm)          |
| Height 0.057" (1.45mm)   | Height                      | 0.057" (1.45mm)                                |
| Report errors?   |                             | Report errors?                                 |

#### SIT2024BEAS-25E 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 BUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

#### SIT2024BEAS-25E Payment Methods





If you have any question about SIT2024BEAS-25E, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com