

# SIT2024BA-S8-XXX-000.FP0000G

### SIT2024BA-S8-XXX-000.FP0000G Information



For Reference Only

Part Number SIT2024BA-S8-XXX-000.FP0000G

**Manufacturer** SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** PROG OSC BLANK 1-110MHZ LVCMOS

Package SC-74A, SOT-753

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.









# SIT2024BA-S8-XXX-000.FP0000G Specifications

Manufacturer Part Number         SIT2024BA-S8-XXX-000.FP0000G           Manufacturer         SiTIME           Category         Crystals, Oscillators, Resonators           Programmable Oscillators           Package         SC-74A, SOT-753           Series         SiT2024B           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         1MHz ~ 110MHz           Function         -           Output         LVCMOS           Voltage - Supply         1.8V, 2.5 V ~ 3.3 V           Frequency Stability (Total)         ±30ppm           Operating Temperature         ±40°C ~ 125°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.8mA           Ratings         AEC-Q100           Mounting Type         Surface Mount           Package / Case         SC-74A, SOT-753           Size / Dimension         0.114" L x 0.063" W (2.90mm x 1.60mm)           Height         0.057" (1.45mm)		
Category         Crystals, Oscillators, Resonators           Package         SC-74A, SOT-753           Series         SiT2024B           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         1MHz ~ 110MHz           Function         -           Output         LVCMOS           Voltage - Supply         1.8V, 2.5 V ~ 3.3 V           Frequency Stability (Total)         ±30ppm           Frequency Stability (Total)         ±30ppm           Operating Temperature         -40°C ~ 125°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.8mA           Ratings         AEC-Q100           Mounting Type         Surface Mount           Package / Case         SC-74A, SOT-753           Size / Dimension         0.114" L x 0.063" W (2.90mm x 1.60mm)           Height         0.057" (1.45mm)	Manufacturer Part Number	SIT2024BA-S8-XXX-000.FP0000G
Package         SC-74A, SOT-753           Series         SiT2024B           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         1MHz ~ 110MHz           Function         -           Output         LVCMOS           Voltage - Supply         1.8V, 2.5 V ~ 3.3 V           Frequency Stability         ±30ppm           Frequency Stability (Total)         ±30ppm           Operating Temperature         -40°C ~ 125°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.8mA           Ratings         AEC-Q100           Mounting Type         Surface Mount           Package / Case         SC-74A, SOT-753           Size / Dimension         0.114" L x 0.063" W (2.90mm x 1.60mm)           Height         0.057" (1.45mm)	Manufacturer	SiTIME
Package         SC-74A, SOT-753           Series         SiT2024B           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         1MHz ~ 110MHz           Function         -           Output         LVCMOS           Voltage - Supply         1.8V, 2.5 V ~ 3.3 V           Frequency Stability         ±30ppm           Frequency Stability (Total)         ±30ppm           Operating Temperature         -40°C ~ 125°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.8mA           Ratings         AEC-Q100           Mounting Type         Surface Mount           Package / Case         SC-74A, SOT-753           Size / Dimension         0.114" L x 0.063" W (2.90mm x 1.60mm)           Height         0.057" (1.45mm)	Category	Crystals, Oscillators, Resonators
Series         SiT2024B           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         1MHz ~ 110MHz           Function         -           Output         LVCMOS           Voltage - Supply         1.8V, 2.5 V ~ 3.3 V           Frequency Stability         ±30ppm           Frequency Stability (Total)         ±30ppm           Operating Temperature         -40°C ~ 125°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.8mA           Ratings         AEC-Q100           Mounting Type         Surface Mount           Package / Case         SC-74A, SOT-753           Size / Dimension         0.114" L x 0.063" W (2.90mm x 1.60mm)           Height         0.057" (1.45mm)		Programmable Oscillators
TypeMEMS (Silicon)Programmable TypeBlank (User Must Program)Available Frequency Range1MHz ~ 110MHzFunction-OutputLVCMOSVoltage - Supply1.8V, 2.5 V ~ 3.3 VFrequency Stability±30ppmFrequency Stability (Total)±30ppmOperating Temperature-40°C ~ 125°CSpread Spectrum Bandwidth-Current - Supply (Max)4.8mARatingsAEC-Q100Mounting TypeSurface MountPackage / CaseSC-74A, SOT-753Size / Dimension0.114" L x 0.063" W (2.90mm x 1.60mm)Height0.057" (1.45mm)	Package	SC-74A, SOT-753
Programmable Type  Available Frequency Range  1MHz ~ 110MHz  Function  -  Output  LVCMOS  Voltage - Supply  1.8V, 2.5 V ~ 3.3 V  Frequency Stability  ±30ppm  Frequency Stability (Total)  240°C ~ 125°C  Spread Spectrum Bandwidth  -  Current - Supply (Max)  Ratings  AEC-Q100  Mounting Type  Surface Mount  Package / Case  Size / Dimension  Height  Blank (User Must Program)  AHUZ ~ 110MHz  -  LVCMOS  LVCMOS  -  LVCMOS  LVCMOS  LVCMOS  -  LVCMOS  LVCMOS	Series	SiT2024B
Available Frequency Range  IMHz ~ 110MHz  Function  Cutput  LVCMOS  Voltage - Supply  1.8V, 2.5 V ~ 3.3 V  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -40°C ~ 125°C  Spread Spectrum Bandwidth  -  Current - Supply (Max)  AEC-Q100  Mounting Type  Surface Mount  Package / Case  SC-74A, SOT-753  Size / Dimension  1MHz ~ 110MHz  -  LVCMOS  -  LVCMOS  4.8WA  430ppm  -40°C ~ 125°C  Spread Spectrum Bandwidth  -  Current - Supply (Max)  4.8mA  AEC-Q100  Mounting Type  Surface Mount  Package / Case  SC-74A, SOT-753  Size / Dimension  0.114" L x 0.063" W (2.90mm x 1.60mm)  Height	Туре	MEMS (Silicon)
Function - LVCMOS  Voltage - Supply 1.8V, 2.5 V ~ 3.3 V  Frequency Stability ±30ppm  Frequency Stability (Total) ±30ppm  Operating Temperature -40°C ~ 125°C  Spread Spectrum Bandwidth - Current - Supply (Max) 4.8mA  Ratings AEC-Q100  Mounting Type Surface Mount  Package / Case SC-74A, SOT-753  Size / Dimension 0.114" L x 0.063" W (2.90mm x 1.60mm)  Height 0.057" (1.45mm)	Programmable Type	Blank (User Must Program)
Output LVCMOS  Voltage - Supply 1.8V, 2.5 V ~ 3.3 V  Frequency Stability ±30ppm  Frequency Stability (Total) ±30ppm  Operating Temperature -40°C ~ 125°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.8mA  Ratings AEC-Q100  Mounting Type Surface Mount  Package / Case SC-74A, SOT-753  Size / Dimension 0.114" L x 0.063" W (2.90mm x 1.60mm)  Height 0.057" (1.45mm)	Available Frequency Range	1MHz ~ 110MHz
Voltage - Supply $1.8V, 2.5 V \sim 3.3 V$ Frequency Stability $\pm 30$ ppm  Frequency Stability (Total) $\pm 30$ ppm  Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$ Spread Spectrum Bandwidth $-$ Current - Supply (Max) $4.8\text{mA}$ Ratings $AEC-Q100$ Mounting Type $Surface Mount$ Package / Case $SC-74A, SOT-753$ Size / Dimension $0.114^{\circ}\text{L} \times 0.063^{\circ}\text{W} (2.90\text{mm} \times 1.60\text{mm})$ Height $0.057^{\circ}\text{mm} (1.45\text{mm})$	Function	-
Frequency Stability (Total) ±30ppm  Operating Temperature -40°C ~ 125°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.8mA  Ratings AEC-Q100  Mounting Type Surface Mount  Package / Case SC-74A, SOT-753  Size / Dimension 0.114" L x 0.063" W (2.90mm x 1.60mm)  Height ±30ppm  ±30ppm  ±30ppm  4.8mA  AEC-Q100  Surface Mount  Surface Mount  90.057" (1.45mm)	Output	LVCMOS
Frequency Stability (Total) ±30ppm  Operating Temperature -40°C ~ 125°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.8mA  Ratings AEC-Q100  Mounting Type Surface Mount  Package / Case SC-74A, SOT-753  Size / Dimension 0.114" L x 0.063" W (2.90mm x 1.60mm)  Height 0.057" (1.45mm)	Voltage - Supply	1.8V, 2.5 V ~ 3.3 V
Operating Temperature -40°C ~ 125°C  Spread Spectrum Bandwidth - Current - Supply (Max)  AEC-Q100  Mounting Type Surface Mount Package / Case SC-74A, SOT-753 Size / Dimension 0.114" L x 0.063" W (2.90mm x 1.60mm) Height 0.057" (1.45mm)	Frequency Stability	±30ppm
Spread Spectrum Bandwidth  Current - Supply (Max)  Ratings  AEC-Q100  Mounting Type  Surface Mount  Package / Case  SC-74A, SOT-753  Size / Dimension  0.114" L x 0.063" W (2.90mm x 1.60mm)  Height	Frequency Stability (Total)	±30ppm
Current - Supply (Max)  Ratings  AEC-Q100  Mounting Type  Surface Mount  Package / Case  SC-74A, SOT-753  Size / Dimension  0.114" L x 0.063" W (2.90mm x 1.60mm)  Height  0.057" (1.45mm)	Operating Temperature	-40°C ~ 125°C
Ratings AEC-Q100  Mounting Type Surface Mount  Package / Case SC-74A, SOT-753  Size / Dimension 0.114" L x 0.063" W (2.90mm x 1.60mm)  Height 0.057" (1.45mm)	Spread Spectrum Bandwidth	-
Mounting Type Surface Mount  Package / Case SC-74A, SOT-753 Size / Dimension 0.114" L x 0.063" W (2.90mm x 1.60mm)  Height 0.057" (1.45mm)	Current - Supply (Max)	4.8mA
Package / Case SC-74A, SOT-753 Size / Dimension 0.114" L x 0.063" W (2.90mm x 1.60mm) Height 0.057" (1.45mm)	Ratings	AEC-Q100
Size / Dimension       0.114" L x 0.063" W (2.90mm x 1.60mm)         Height       0.057" (1.45mm)	Mounting Type	Surface Mount
Height 0.057" (1.45mm)	Package / Case	SC-74A, SOT-753
•	Size / Dimension	0.114" L x 0.063" W (2.90mm x 1.60mm)
Report errors?	Height	0.057" (1.45mm)
		Report errors?

### SIT2024BA-S8-XXX-000.FP0000G 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.

## SIT2024BA-S8-XXX-000.FP0000G Payment Methods





















## SIT2024BA-S8-XXX-000.FP0000G Shipping Methods













If you have any question about SIT2024BA-S8-XXX-000.FP0000G, please do not hesitate to contact us!

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