



### SIT1602AIF2-25E Information



For Reference Only

Part Number SIT1602AIF2-25E

Manufacturer SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG LVCMOS 2.5V EN/DS SMD

Package 4-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**

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### SIT1602AIF2-25E Specifications

Manufacturer Part Number         SIT1602AIF2-25E           Manufacturer         SiTIME           Category         Crystals, Oscillators, Resonators           Package         4-SMD, No Lead           Series         SiT1602           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         3.75MHz ~ 77.76MHz           Function         Enable/Disable           Output         HCMOS, LVCMOS           Voltage - Supply         2.5V           Frequency Stability         -           Frequency Stability (Total)         ±20ppm, ±25ppm, ±50ppm           Operating Temperature         40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.2mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-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         4-SMD, No Lead           Series         SiT1602           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         3.75MHz ~ 77.76MHz           Function         Enable/Disable           Output         HCMOS, LVCMOS           Voltage - Supply         2.5V           Frequency Stability         -           Frequency Stability (Total)         ±20ppm, ±25ppm, ±50ppm           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.2mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)	Manufacturer Part Number	SIT1602AIF2-25E
Package 4-SMD, No Lead Series SiT1602 Type MEMS (Silicon) Programmable Type Programmed as Request Available Frequency Range 3.75MHz ~ 77.76MHz Function Enable/Disable Output HCMOS, LVCMOS Voltage - Supply 2.5V Frequency Stability - Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth - Current - Supply (Max) 4.2mA Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)	Manufacturer	SiTIME
Package         4-SMD, No Lead           Series         SiT1602           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         3.75MHz ~ 77.76MHz           Function         Enable/Disable           Output         HCMOS, LVCMOS           Voltage - Supply         2.5V           Frequency Stability         -           Frequency Stability (Total)         ±20ppm, ±25ppm, ±50ppm           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.2mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)	Category	Crystals, Oscillators, Resonators
Series SiT1602 Type MEMS (Silicon) Programmable Type Programmed as Request Available Frequency Range 3.75MHz ~ 77.76MHz Function Enable/Disable Output HCMOS, LVCMOS Voltage - Supply 2.5V Frequency Stability - Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm Operating Temperature 40°C ~ 85°C Spread Spectrum Bandwidth - Current - Supply (Max) 4.2mA Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)		Programmable Oscillators
Type MEMS (Silicon)  Programmable Type Programmed as Request  Available Frequency Range 3.75MHz ~ 77.76MHz  Function Enable/Disable  Output HCMOS, LVCMOS  Voltage - Supply 2.5V  Frequency Stability  Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.2mA  Ratings  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)	Package	4-SMD, No Lead
Programmable Type Programmed as Request  Available Frequency Range 3.75MHz ~ 77.76MHz  Function Enable/Disable  Output HCMOS, LVCMOS  Voltage - Supply 2.5V  Frequency Stability -  Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.2mA  Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)	Series	SiT1602
Available Frequency Range  Function  Enable/Disable  Output  HCMOS, LVCMOS  Voltage - Supply  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  -  Current - Supply (Max)  Ratings  Mounting Type  Surface Mount  Package / Case  Size / Dimension  3.75MHz ~ 77.76MHz  Enable/Disable  3.75MHz ~ 77.76MHz  Enable/Disable  3.75MHz ~ 77.76MHz  Enable/Disable  3.75MHz ~ 77.76MHz  4.2MOS  4.2FOMOS  4.2SV  -  Surface Mount  4.2mA  4.2mA  4.2mA  4.2mA  8.3 Surface Mount  9.126" L x 0.098" W (3.20mm x 2.50mm)	Туре	MEMS (Silicon)
Function Enable/Disable Output HCMOS, LVCMOS  Voltage - Supply 2.5V  Frequency Stability +20ppm, ±25ppm, ±50ppm Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth - + +20mA  Current - Supply (Max) 4.2mA  Ratings - +40mA  Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)	Programmable Type	Programmed as Request
Output HCMOS, LVCMOS  Voltage - Supply 2.5V  Frequency Stability	Available Frequency Range	3.75MHz ~ 77.76MHz
Voltage - Supply  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  -  Current - Supply (Max)  Ratings  -  Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  2.5V  2.5V  2.5V  2.5V  -  Supply (Max)  420ppm, ±25ppm, ±50ppm  -40°C ~ 85°C  -  Supply (Max)  -  4.2mA  8.2mA  8.2mA  8.2mA  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10  9.10	Function	Enable/Disable
Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.2mA  Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)	Output	HCMOS, LVCMOS
Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.2mA  Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)	Voltage - Supply	2.5V
Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.2mA  Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)	Frequency Stability	-
Spread Spectrum Bandwidth - Current - Supply (Max) 4.2mA Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)	Frequency Stability (Total)	±20ppm, ±25ppm, ±50ppm
Current - Supply (Max)  Ratings  - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension  0.126" L x 0.098" W (3.20mm x 2.50mm)	Operating Temperature	-40°C ~ 85°C
Ratings -  Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)	Spread Spectrum Bandwidth	-
Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)	Current - Supply (Max)	4.2mA
Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)	Ratings	-
Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)	Mounting Type	Surface Mount
	Package / Case	4-SMD, No Lead
Height 0.031" (0.79mm)	Size / Dimension	0.126" L x 0.098" W (3.20mm x 2.50mm)
	Height	0.031" (0.79mm)
Report errors?		Report errors?

#### SIT1602AIF2-25E 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 Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## SIT1602AIF2-25E Payment Methods



















### SIT1602AIF2-25E Shipping Methods













If you have any question about SIT1602AIF2-25E, please do not hesitate to contact us!

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