



## SIT1602BIR7-25E Information

Heisener.com

Part Number SIT1602BIR7-25E

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

For Reference Only 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.









# SIT1602BIR7-25E Specifications

Manufacturer Part Number         SIT1602BIR7-25E           Manufacturer         SiTIME           Category         Crystals, Oscillators, Resonators           Package         4-SMD, No Lead           Series         SiT1602           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         3.57MHz ~ 77.76MHz           Function         Enable/Disable           Output         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         0.079" L x 0.063" W (2.00mm x 1.60mm)           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         3.57MHz ~ 77.76MHz           Function         Enable/Disable           Output         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         0.079" L x 0.063" W (2.00mm x 1.60mm)           Height         0.031" (0.79mm)	Manufacturer Part Number	SIT1602BIR7-25E
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Package         4-SMD, No Lead           Series         SiT1602           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         3.57MHz ~ 77.76MHz           Function         Enable/Disable           Output         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         0.079" L x 0.063" W (2.00mm x 1.60mm)           Height         0.031" (0.79mm)	Category	Crystals, Oscillators, Resonators
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TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range3.57MHz ~ 77.76MHzFunctionEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability-Frequency Stability (Total)±20ppm, ±25ppm, ±50ppmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)4.2mARatings-Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.079" L x 0.063" W (2.00mm x 1.60mm)Height0.031" (0.79mm)	Package	4-SMD, No Lead
Programmable Type Programmed as Request  Available Frequency Range 3.57MHz ~ 77.76MHz  Function Enable/Disable  Output 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 0.079" L x 0.063" W (2.00mm x 1.60mm)  Height 0.00000000000000000000000000000000000	Series	SiT1602
Available Frequency Range  Function  Enable/Disable  Output  LVCMOS  Voltage - Supply  2.5V  Frequency Stability	Туре	MEMS (Silicon)
Function Enable/Disable Output 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 0.031" (0.79mm)	Programmable Type	Programmed as Request
Output 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 0.079" L x 0.063" W (2.00mm x 1.60mm) Height 0.031" (0.79mm)	Available Frequency Range	3.57MHz ~ 77.76MHz
Voltage - Supply  Frequency Stability  Frequency Stability (Total)  Operating Temperature  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  Mounting Type  Surface Mount  Package / Case  Size / Dimension  Height  2.5V  2.5V  2.5V  2.5V  2.5V  2.5V  -  8.20  4.20  4.20  5.20  5.20  5.20  5.20  5.20  5.20  5.20  5.20  5.20  5.20  5.20  5.20  5.20  5.20  5.20  5.20  5.20  5.20  5.20  6.20	Function	Enable/Disable
Frequency Stability (Total)  Frequency Stability (Total)  Departing Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  Current - Supply (Max)  Ratings  -  Mounting Type  Surface Mount  Package / Case  Size / Dimension  D.031" (0.79mm)	Output	LVCMOS
Frequency Stability (Total) $\pm 20$ ppm, $\pm 25$ ppm, $\pm 50$ ppm  Operating Temperature $-40^{\circ}$ C $\sim 85^{\circ}$ C  Spread Spectrum Bandwidth $-$ Current - Supply (Max) $4.2$ mA  Ratings $-$ Mounting Type Surface Mount  Package / Case $4-$ SMD, No Lead  Size / Dimension $0.079^{\circ}$ L x $0.063^{\circ}$ W ( $2.00$ mm x $1.60$ mm)  Height $0.031^{\circ}$ ( $0.79$ mm)	Voltage - Supply	2.5V
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 0.079" L x 0.063" W (2.00mm x 1.60mm)  Height 0.031" (0.79mm)	Frequency Stability	-
Spread Spectrum Bandwidth  Current - Supply (Max)  Ratings  - Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.079" L x 0.063" W (2.00mm x 1.60mm)  Height 0.031" (0.79mm)	Frequency Stability (Total)	±20ppm, ±25ppm, ±50ppm
Current - Supply (Max)       4.2mA         Ratings       -         Mounting Type       Surface Mount         Package / Case       4-SMD, No Lead         Size / Dimension       0.079" L x 0.063" W (2.00mm x 1.60mm)         Height       0.031" (0.79mm)	Operating Temperature	-40°C ~ 85°C
Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.079" L x 0.063" W (2.00mm x 1.60mm)  Height 0.031" (0.79mm)	Spread Spectrum Bandwidth	-
Mounting Type Surface Mount  Package / Case 4-SMD, No Lead Size / Dimension 0.079" L x 0.063" W (2.00mm x 1.60mm)  Height 0.031" (0.79mm)	Current - Supply (Max)	4.2mA
Package / Case       4-SMD, No Lead         Size / Dimension       0.079" L x 0.063" W (2.00mm x 1.60mm)         Height       0.031" (0.79mm)	Ratings	-
Size / Dimension       0.079" L x 0.063" W (2.00mm x 1.60mm)         Height       0.031" (0.79mm)	Mounting Type	Surface Mount
Height 0.031" (0.79mm)	Package / Case	4-SMD, No Lead
-	Size / Dimension	0.079" L x 0.063" W (2.00mm x 1.60mm)
Report errors?	Height	0.031" (0.79mm)
		Report errors?

#### **SIT1602BIR7-25E 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.

## SIT1602BIR7-25E Payment Methods





















## SIT1602BIR7-25E Shipping Methods













If you have any question about SIT1602BIR7-25E, please do not hesitate to contact us!

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