



## SIT1602BIR2-28E Information



For Reference Only

Part Number SIT1602BIR2-28E

**Manufacturer** SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG LVCMOS 2.8V 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**

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.









# SIT1602BIR2-28E Specifications

Manufacturer Part Number       SITI602BIR2-28E         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       2.8V         Frequency Stability       -         Frequency Stability (Total)       ±20ppm, ±25ppm, ±50ppm         Operating Temperature       -40°C ~ 85°C         Spread Spectrum Bandwidth       -         Current - Supply (Max)       4.5mA         Ratings       -         Mounting Type       Surface Mount         Package (Case)       4.5MD, No Lead		
CategoryCrystals, Oscillators, ResonatorsProgrammable OscillatorsPackage4-SMD, No LeadSeriesSiT1602TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range3.57MHz ~ 77.76MHzFunctionEnable/DisableOutputLVCMOSVoltage - Supply2.8VFrequency Stability-Frequency Stability (Total)±20ppm, ±25ppm, ±50ppmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)4.5mARatings-Mounting TypeSurface Mount	Manufacturer Part Number	SIT1602BIR2-28E
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 2.8V Frequency Stability Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm Operating Temperature 40°C ~ 85°C Spread Spectrum Bandwidth - Current - Supply (Max) Ratings - MEMS (Silicon)  Programmable Oscillators  MEMS (Silicon) Programmable Oscillators  Refuest Silicon) Programmable Oscillators  Silicon Programmable Oscillators  AbMD, No Lead Series Silicon Programmable Oscillators  Series Silicon Programmable Oscillators  Series Silicon Programmable Oscillators  Silicon Programmable Oscillators  Series Silicon Programmable Oscillators  Silicon P	Manufacturer	SiTIME
Package4-SMD, No LeadSeriesSiT1602TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range3.57MHz ~ 77.76MHzFunctionEnable/DisableOutputLVCMOSVoltage - Supply2.8VFrequency Stability-Frequency Stability (Total)±20ppm, ±25ppm, ±50ppmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)4.5mARatings-Mounting TypeSurface Mount	Category	Crystals, Oscillators, Resonators
Series SiT1602 Type MEMS (Silicon) Programmable Type Programmed as Request Available Frequency Range 3.57MHz ~ 77.76MHz Function Enable/Disable Output LVCMOS Voltage - Supply 2.8V Frequency Stability - Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA Ratings - Mounting Type Surface Mount		Programmable Oscillators
Type MEMS (Silicon)  Programmable Type Programmed as Request  Available Frequency Range 3.57MHz ~ 77.76MHz  Function Enable/Disable  Output LVCMOS  Voltage - Supply 2.8V  Frequency Stability -  Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.5mA  Ratings  MemS (Silicon)  Programmed as Request  3.57MHz ~ 77.76MHz  Enable/Disable  LVCMOS  4.5V  4.5V  4.5MA  Ratings  Mounting Type  Surface Mount	Package	4-SMD, No Lead
Programmable Type Programmed as Request  Available Frequency Range 3.57MHz ~ 77.76MHz  Function Enable/Disable  Output LVCMOS  Voltage - Supply 2.8V  Frequency Stability  Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.5mA  Ratings  Mounting Type Surface Mount	Series	SiT1602
Available Frequency Range  Sunction  Enable/Disable  Output  LVCMOS  Voltage - Supply  Frequency Stability  Frequency Stability (Total)  Operating Temperature  Spread Spectrum Bandwidth  -  Current - Supply (Max)  Ratings  Mounting Type  3.57MHz ~ 77.76MHz  Enable/Disable  LVCMOS  2.8V  Frequency Stability (Total)  -  2.8V  Frequency Stability (Total)  -  4.50ppm, ±25ppm, ±50ppm  -40°C ~ 85°C  Spread Spectrum Bandwidth  -  Current - Supply (Max)  4.5mA  Surface Mount	Type	MEMS (Silicon)
Function Enable/Disable  Output LVCMOS  Voltage - Supply 2.8V  Frequency Stability  Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.5mA  Ratings  Mounting Type Surface Mount	Programmable Type	Programmed as Request
Output LVCMOS  Voltage - Supply 2.8V  Frequency Stability  Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.5mA  Ratings - Mounting Type Surface Mount	Available Frequency Range	3.57MHz ~ 77.76MHz
Voltage - Supply  2.8V  Frequency Stability	Function	Enable/Disable
Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.5mA  Ratings -  Mounting Type Surface Mount	Output	LVCMOS
Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.5mA  Ratings -  Mounting Type Surface Mount	Voltage - Supply	2.8V
Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.5mA  Ratings -  Mounting Type Surface Mount	Frequency Stability	-
Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA Ratings - Mounting Type Surface Mount	Frequency Stability (Total)	±20ppm, ±25ppm, ±50ppm
Current - Supply (Max)  Ratings - Mounting Type  4.5mA  Surface Mount	Operating Temperature	-40°C ~ 85°C
Ratings - Mounting Type Surface Mount	Spread Spectrum Bandwidth	-
Mounting Type Surface Mount	Current - Supply (Max)	4.5mA
	Ratings	-
Package / Case A_SMD_No Lead	Mounting Type	Surface Mount
Tackage / Case T-SWID, NO Lead	Package / Case	4-SMD, No Lead
Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)	Size / Dimension	0.126" L x 0.098" W (3.20mm x 2.50mm)
Height 0.031" (0.79mm)	Height	0.031" (0.79mm)
Report errors?		Report errors?

#### **SIT1602BIR2-28E 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.

### SIT1602BIR2-28E Payment Methods



















### SIT1602BIR2-28E Shipping Methods













If you have any question about SIT1602BIR2-28E, please do not hesitate to contact us!

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