



## SIT1602BCA2-30S Information



For Reference Only

Part Number SIT1602BCA2-30S

Manufacturer SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG LVCMOS 3V STBY 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.









# SIT1602BCA2-30S Specifications

Manufacturer Part Number         SIT1602BCA2-30S           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         Standby (Power Down)           Output         LVCMOS           Voltage - Supply         2           Frequency Stability         -           Frequency Stability (Total)         ±20ppm, ±25ppm, ±50ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.5mA           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         -           Report errors?		
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         Standby (Power Down)           Output         LVCMOS           Voltage - Supply         3V           Frequency Stability         -           Frequency Stability (Total)         ±20ppm, ±25ppm, ±50ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.5mA           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         -	Manufacturer Part Number	SIT1602BCA2-30S
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TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range3.57MHz ~ 77.76MHzFunctionStandby (Power Down)OutputLVCMOSVoltage - Supply3VFrequency Stability-Frequency Stability (Total)±20ppm, ±25ppm, ±50ppmOperating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)4.5mARatings-Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.126" L x 0.098" W (3.20mm x 2.50mm)Height-	Package	4-SMD, No Lead
Programmable Type Programmed as Request  Available Frequency Range 3.57MHz ~ 77.76MHz  Function Standby (Power Down)  Output LVCMOS  Voltage - Supply 3V  Frequency Stability  Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.5mA  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  House Down Down Development Standard Size / Dimension  Nounting Type  Brogrammed as Request  3.57MHz ~ 77.76MHz  3.57MHz ~ 77.76MHz  3.57MHz ~ 77.76MHz  4.VCMOS  3.57MHz ~ 77.76MHz  5.57MHz ~ 77.76MHz  4.VCMOS  3.57MHz ~ 77.76MHz  5.57MHz ~ 77.	Series	SiT1602
Available Frequency Range  Standby (Power Down)  Output  LVCMOS  Voltage - Supply  3V  Frequency Stability	Туре	MEMS (Silicon)
Function Standby (Power Down)  Output LVCMOS  Voltage - Supply 3V  Frequency Stability  Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.5mA  Ratings - Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height - Supply (Max)	Programmable Type	Programmed as Request
OutputLVCMOSVoltage - Supply3VFrequency Stability-Frequency Stability (Total)±20ppm, ±25ppm, ±50ppmOperating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)4.5mARatings-Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.126" L x 0.098" W (3.20mm x 2.50mm)Height-	Available Frequency Range	3.57MHz ~ 77.76MHz
Voltage - Supply  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  -  Current - Supply (Max)  Ratings  -  Mounting Type  Surface Mount  Package / Case  Size / Dimension  Height  3V  3V  3V  3V  3V  3V  -  Supply (Max)  -20°C ~ 70°C  -20°C ~ 70°C	Function	Standby (Power Down)
Frequency Stability (Total)  Frequency Stability (Total)  Departing Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  Size / Dimension  Height  -  L20ppm, ±25ppm, ±50ppm  -20°C ~ 70°C  -20°C ~ 70	Output	LVCMOS
Frequency Stability (Total) $\pm 20$ ppm, $\pm 25$ ppm, $\pm 50$ ppm  Operating Temperature $-20^{\circ}$ C $\sim 70^{\circ}$ C  Spread Spectrum Bandwidth $-$ Current - Supply (Max) $4.5$ mA  Ratings $-$ Mounting Type Surface Mount  Package / Case $4-$ SMD, No Lead  Size / Dimension $0.126^{\circ}$ L x $0.098^{\circ}$ W $(3.20$ mm x $2.50$ mm)  Height $-$	Voltage - Supply	3V
Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth - 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)  Height -	Frequency Stability	-
Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA  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 -	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) Height -	Operating Temperature	-20°C ~ 70°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)  Height -	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)  Height -	Current - Supply (Max)	4.5mA
Package / Case       4-SMD, No Lead         Size / Dimension       0.126" L x 0.098" W (3.20mm x 2.50mm)         Height       -	Ratings	-
Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         -	Mounting Type	Surface Mount
Height -	Package / Case	4-SMD, No Lead
	Size / Dimension	0.126" L x 0.098" W (3.20mm x 2.50mm)
Report errors?	Height	-
		Report errors?

#### SIT1602BCA2-30S 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.

### **SIT1602BCA2-30S Payment Methods**



















## SIT1602BCA2-30S Shipping Methods













If you have any question about SIT1602BCA2-30S, please do not hesitate to contact us!

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