

# SIT1602BIT3-25E

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#### SIT1602BIT3-25E Information

	Part Number Manufacturer Category	SIT1602BIT3-25E SiTIME Crystals, Oscillators, Resonators Programmable Oscillators
www.bersenet.com	Description	OSC PROG LVCMOS 2.5V EN/DS SMD
	Package	4-SMD, No Lead
For Reference Only		For the pricing/inventory/lead time, please contact us Website: https://www.heisener.com
For Reference Only		E-mail: salesdept@heisener.com

## **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.



# SIT1602BIT3-25E Specifications

ManufacturerSiTIMECategoryCrystals, Oscillators, ResonatorsProgrammable OscillatorsPackage4-SMD, No LeadSeriesSiT1602TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency RangeS.57MHz ~ 77.76MHzPoutputLVCMOSOutput2.5VVoltage - Supply-Frequency Stability (Total)-Prequency Stability (Total)-Spread Spectrum Bandwidth-Current - Supply (Max)4.20ARatings-Ratings-Package / CaseSufface MountPackage / CaseSufface MountSize / Dimension0.197" L x 0.126" W (5.00mm x 3.20mm)			
CategoryCrystals, Oscillators, ResonatorsProgrammable OscillatorsPackage4-SMD, No LeadSeriesSiT1602SpriesMEMS (Silcon)Programmable TypeProgrammed as RequestAvailable Frequency Range3.57MHz ~ 77.76MHzPoutputEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability (Total)-Prequency Stability (Total)-Spread Spectrum Bandwidth-Current - Supply (Max)4.0°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)Surface MountRatings-Package / CaseSurface MountPackage / Case4.5MD, No LeadSitz / Dimension1.09" L x 0.126" W (5.00mm x 3.20mm)Height0.031" (0.79mm)	Manufacturer Part Number	SIT1602BIT3-25E	
Programmable OscillatorsPackage4-SMD, No LeadSeriesSiT1602TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range3.57MHz ~ 77.76MHzFunctionEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability (Total)±20pm, ±25pm, ±50ppmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)4.2mARatings-Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.031" (0.79mm)	Manufacturer	SITIME	
Package4-SMD, No LeadSeriesSiT1602TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range3.57MHz ~ 77.76MHzFunctionEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability (Total)±20ppm, ±25ppm, ±50ppmOperating Temperature-Output4.0°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)4.2mARatings-Package / Case4.SMD, No LeadSize / Dimension0.031" (0.79mm)	Category	Crystals, Oscillators, Resonators	
SeriesSiT1602TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range3.57MHz ~ 77.76MHzFunctionEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability-Frequency Stability (Total)±20pm, ±25ppm, ±50ppmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)Surface MountRatings-Package / Case4.SMD, No LeadSize / Dimension0.031" (0.79mm)		Programmable Oscillators	
TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range3.57MHz ~ 77.76MHzFunctionEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability (Total)-Prequency Stability (Total)-Operating Temperature-Spread Spectrum Bandwidth-Current - Supply (Max)4.2mARatings-Package / CaseSurface MountPackage / Case0.197" L x 0.126" W (5.00mm x 3.20mm)Height0.31" (0.79mm)	Package	4-SMD, No Lead	
Programmable TypeProgrammed as RequestAvailable Frequency Range3.57MHz ~ 77.76MHzFunctionEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability-Frequency Stability (Total)±20ppm, ±25ppm, ±50ppmOperating Temperature-Spread Spectrum Bandwidth-Current - Supply (Max)4.0°C ~ 85°CRatings-Mounting TypeSurface MountPackage / Case4.5MD, No LeadSize / Dimension0.031" (0.79mm)	Series	SiT1602	
Available 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 / Dimension0.031" (0.79mm)	Туре	MEMS (Silicon)	
FunctionEnable/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 / Dimension0.197" L x 0.126" W (5.00mm x 3.20mm)Height0.031" (0.79mm)	Programmable Type	Programmed as Request	
OutputLVCMOSVoltage - Supply2.5VFrequency Stability-Frequency Stability (Total)±20ppm, ±50ppmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)4.2mARatings-Mounting TypeSurface MountPackage / Case4.5MD, No LeadSize / Dimension0.197" L x 0.126" W (5.00mm x 3.20mm)Height0.031" (0.79mm)	Available Frequency Range	3.57MHz ~ 77.76MHz	
Yoltage - 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 / Dimension0.197" L x 0.126" W (5.00mm x 3.20mm)Height0.031" (0.79mm)	Function	Enable/Disable	
Frequency 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 / Dimension0.197" L x 0.126" W (5.00mm x 3.20mm)Height0.031" (0.79mm)	Output	LVCMOS	
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 / Dimension0.197" L x 0.126" W (5.00mm x 3.20mm)Height0.031" (0.79mm)	Voltage - Supply	2.5V	
Operating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)4.2mARatings-Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.197" L x 0.126" W (5.00mm x 3.20mm)Height0.031" (0.79mm)	Frequency Stability	-	
Spread Spectrum Bandwidth-Current - Supply (Max)4.2mARatings-Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.197" L x 0.126" W (5.00mm x 3.20mm)Height0.031" (0.79mm)	Frequency Stability (Total)	$\pm 20$ ppm, $\pm 25$ ppm, $\pm 50$ ppm	
Current - Supply (Max)4.2mARatings-Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.197" L x 0.126" W (5.00mm x 3.20mm)Height0.031" (0.79mm)	Operating Temperature	-40°C ~ 85°C	
Ratings-Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.197" L x 0.126" W (5.00mm x 3.20mm)Height0.031" (0.79mm)	Spread Spectrum Bandwidth	-	
Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.197" L x 0.126" W (5.00mm x 3.20mm)Height0.031" (0.79mm)	Current - Supply (Max)	4.2mA	
Package / Case 4-SMD, No Lead   Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)   Height 0.031" (0.79mm)	Ratings	-	
Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)   Height 0.031" (0.79mm)	Mounting Type	Surface Mount	
Height 0.031" (0.79mm)	Package / Case	4-SMD, No Lead	
-	Size / Dimension	0.197" L x 0.126" W (5.00mm x 3.20mm)	
Report errors?	Height	0.031" (0.79mm)	
		Report	errors?

#### SIT1602BIT3-25E 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.

## SIT1602BIT3-25E Payment Methods





If you have any question about SIT1602BIT3-25E, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com