

# SIT1602ACF3-25E

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### SIT1602ACF3-25E Information

	Part Number	SIT1602ACF3-25E
For Reference Only	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



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.



## SIT1602ACF3-25E Specifications

Manufacturer Part Number   SITI 602ACF3-25E     Manufacturer   SiTIME     Category   Crystals, Oscillators, Resonators     Programmable Oscillators   Programmable Oscillators     Package   4-SMD, No Lead     Series   SiTI 1602     Type   MEMS (Silicon)     Programmable Type   Programma as Request     Available Frequency Range   3.75MHz ~ 77.76MHz     Surger Supply   Enable/Disable     Output   HCMOS, LVCMOS     Voltage Supply   .     Frequency Stability (Total)   4.20pm, ±25ppm, ±50ppm     Operating Temperature   -20°C ~ 70°C     Spread Spectrum Bandwidth   .     Current - Supply (Max)   4.2mA     Ratings   .     Mounting Type   Surface Mount     Package / Case   4.SMD, No Lead     Size / Dimension   0.019" L x 0.126" W (5.00mm x 3.20mm)	-	
CategoryCrystals, Oscillators, Resonators Programmable OscillatorsPackage4-SMD, No LeadSeriesSiT1602TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range3.75MHz ~ 77.76MHzPructionEnable/DisableOutputHCMOS, LVCMOSVoltage - Supply-Prequency Stability (Total)2.5VPrequency Stability (Total)-Operating Temperature-Operating Temperature-Spread Spectrum Bandwidth-Current - Supply (Max)Sufface MountAtainage-Noutning TypeSufface MountMounting TypeSufface MountPackage / Case-Sire / Dimension1.091" L x 0.126" W (5.00mm x 3.20mm)Height0.031" (0.79mm)	Manufacturer Part Number	SIT1602ACF3-25E
Programmable OscillatorsPackage4-SMD, No LeadSeriesSiT1602TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range3.75MHz ~ 77.76MHzFunctionEnable/DisableOutputHCMOS, LVCMOSVoltage - Supply2.5VFrequency Stability (Total)-Operating Temperature-00°C ~ 70°COperating Temperature-Surged Spectrum Bandwidth-Current - Supply (Max)Surface MountRatings-Auting TypeSurface MountPackage / Case4.SMD, No LeadSize / Dimension1.091" L x 0.126" W (5.00mm x 3.20mm)Height0.031" (0.79mm)	Manufacturer	SiTIME
Package4-SMD, No LeadSeriesSiT1602TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range3.75MHz ~ 77.76MHzFunctionEnable/DisableOutputHCMOS, LVCMOSVoltage - Supply2.5VFrequency Stability (Total)+20pm, ±25pm, ±50pmOperating Temperature-0°C ~ 70°CSpread Spectrum Bandwidth-Ratings-Mounting TypeSurface MountPackage / CaseSurface MountSize / Dimension1.01°" L x 0.126" W (5.00mm x 3.20mm)Height0.031" (0.79mm)	Category	Crystals, Oscillators, Resonators
SeriesSiT1602TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range3.75MHz ~ 77.76MHzFunctionEnable/DisableOutputHCMOS, LVCMOSVoltage - Supply2.5VFrequency Stability-Frequency Stability (Total)2.0°C ~ 70°COperating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Atings-Mounting TypeSurface MountPrekage / CaseSurface MountSize / Dimension0.01″' L x 0.126″ W (5.00mm x 3.20mm)Height0.031" (0.79mm)		Programmable Oscillators
TypeMEMS (silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range3.75MHz ~ 77.76MHzFunctionEnable/DisableOutputHCMOS, LVCMOSVoltage - Supply2.5VFrequency Stability (Total)-20°C ~ 70°COperating Temperature2.0°C ~ 70°CSpread Spectrum Bandwidth-Ratings-Mounting TypeSurface MountPrekage / CaseSurface MountSize / Dimension1.01°" L x 0.126" W (5.00mm x 3.20mm)Height0.031" (0.79mm)	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)   ±20pm, ±25ppm, ±50ppm     Operating Temperature   -20°C ~ 70°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)	Series	SiT1602
Available Frequency Range3.75MHz ~ 77.76MHzFunctionEnable/DisableOutputHCMOS, LVCMOSVoltage - Supply2.5VFrequency Stability-Frequency Stability (Total)±20ppn, ±25ppn, ±50ppmOperating Temperature-20°C ~ 70°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)	Туре	MEMS (Silicon)
FunctionEnable/DisableOutputHCMOS, LVCMOSVoltage - Supply2.5VFrequency Stability-Frequency Stability (Total)±20pm, ±50ppmOperating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)4.2mARatings-Mounting TypeSurface MountPackage / Case4.SMD, No LeadSize / Dimension0.019" L x 0.126" W (5.00mm x 3.20mm)	Programmable Type	Programmed as Request
OutputHCMOS, LVCMOSOutput2.5VFrequency Stability-Frequency Stability (Total)±20pm, ±50ppmOperating Temperature-20°C ~ 70°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)	Available Frequency Range	3.75MHz ~ 77.76MHz
Yoltage - Supply   2.5V     Frequency Stability   -     Frequency Stability (Total)   ±20ppm, ±25ppm, ±50ppm     Operating Temperature   -20°C ~ 70°C     Spread Spectrum Bandwidth   -     Current - Supply (Max)   4.2mA     Ratings   -     Mounting Type   Surface Mount     Package / Case   4.5MD, No Lead     Size / Dimension   0.197" L x 0.126" W (5.00mm x 3.20mm)	Function	Enable/Disable
Frequency Stability (Total)-Frequency Stability (Total)±20pm, ±20ppm, ±50ppmOperating Temperature-20°C ~ 70°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)	Output	HCMOS, LVCMOS
Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm   Operating Temperature -20°C ~ 70°C   Spread Spectrum Bandwidth -   Current - Supply (Max) 4.2mA   Ratings -   Mounting Type Surface Mount   Package / Case 4.5MD, No Lead   Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)   Height 0.031" (0.79mm)	Voltage - Supply	2.5V
Operating Temperature-20°C ~ 70°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)   4.2mA     Ratings   -     Mounting Type   Surface Mount     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)	Frequency Stability (Total)	$\pm 20$ ppm, $\pm 25$ ppm, $\pm 50$ ppm
Current - Supply (Max)   4.2mA     Ratings   -     Mounting Type   Surface Mount     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)	Operating Temperature	-20°C ~ 70°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?

#### SIT1602ACF3-25E 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.

### SIT1602ACF3-25E Payment Methods



## SIT1602ACF3-25E Shipping Methods



If you have any question about SIT1602ACF3-25E, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com