

# SIT8008ACF3-25E

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#### SIT8008ACF3-25E Information

For Reference Only	Part Number	SIT8008ACF3-25E
	Manufacturer	SITIME
	Category	Crystals, Oscillators, Resonators Programmable Oscillators
	Description	OSC PROG LVCMOS 2.5V EN/DS 20PPM
	Package	4-SMD, No Lead
		For the pricing/inventory/lead time, please contact
		us
		Website: https://www.heisener.com
		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.



## SIT8008ACF3-25E Specifications

ManufacturerSiTIMECategoryCrystals, Oscillators, ResonatorsPogrammable OscillatorsPackage4-SMD, No LeadSeriesSiT8008TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency RangeIMHz ~ 110MHzPoutputEnable/DisableOutputSVVoltage - Supply2.5VFrequency Stability (Total)-Prequency Stability (Total)-Operating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)Sufface MountRatings-Anding TypeSufface MountPackage / CaseSufface MountSize / Dimension0.197" L x 0.126" W (5.00mm x 3.20mm)	-	
CategoryCrystals, Oscillators, ResonatorsProgrammable OscillatorsPackage4-SMD, No LeadSeriesSiT8008TypeMEMS (Slicon)Programmable TypeProgrammed as RequestAvailable Frequency RangeIMHz ~ 110MHzFunctionEnable/DisableOutputHCMOS, LVCMOSVoltage - Supply2.5VFrequency Stability (Total)-Pread Spectrum Bandwidth-Current - Supply (Max)4.5mARatings-Ratings-Available TypeSurface MountPreadeage / CaseSurface MountAssention-Preadeage / Case0.31" (0.79mm)Height0.31" (0.79mm)	Manufacturer Part Number	SIT8008ACF3-25E
Programmable OscillatorsPackage4-SMD, No LeadSeriesSiT8008TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency RangeIMHz ~ 110MHzFunctionEnable/DisableOutputHCMOS, LVCMOSVoltage - Supply2.5VFrequency Stability (Total)-Prequency Stability (Total)-Operating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)4.5mARatings-Ataings-Avalating TypeSurface MountPackage / Case4.SMD, No LeadSize / Dimension0.031" (0.79mm)	Manufacturer	SiTIME
Package4-SMD, No LeadSeriesSiT8008TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range1MHz ~ 110MHzFunctionEnable/DisableOutputHCMOS, LVCMOSVoltage - Supply2.5VFrequency Stability (Total)-Operating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Ratings-Mounting TypeSurface MountPackage / Case4.5MD, No LeadSize / Dimension0.01" (0.79mm)	Category	Crystals, Oscillators, Resonators
SeriesSiT8008TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency RangeIMHz ~ 110MHzFunctionEnable/DisableOutputHCMOS, LVCMOSVoltage - Supply2.5VFrequency Stability±20ppmFrequency Stability (Total)-Operating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)Surface MountRatings-Mouning TypeSurface MountPackage / Case4.SMD, No LeadSize / Dimension0.031" (0.79mm)		Programmable Oscillators
TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency RangeIMHz ~ 110MHzFunctionEnable/DisableOutputHCMOS, LVCMOSVoltage - Supply2.5VFrequency Stability (Total)±20ppmPrequency Stability (Total)-0°C ~ 70°COperating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)Surface MountRatings-Mounting TypeSurface MountPackage / Case4.SMD, No LeadSize / Dimension0.197" L x 0.126" W (5.00mm x 3.20mm)Height0.031" (0.79mm)	Package	4-SMD, No Lead
Programmable TypeProgrammed as RequestAvailable Frequency Range1MHz ~ 110MHzFunctionEnable/DisableOutputHCMOS, LVCMOSVoltage - Supply2.5VFrequency Stability±20ppmFrequency Stability (Total)-Operating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)4.5mARatings-Mounting TypeSurface MountPackage / Case4.5MD, No LeadSize / Dimension0.031" (0.79mm)	Series	SiT8008
Available Frequency RangeIMHz ~ 110MHzFunctionEnable/DisableOutputHCMOS, LVCMOSVoltage - Supply2.5VFrequency Stability±20ppmFrequency Stability (Total)-Operating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)4.5mARatings-Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.031" (0.79mm)	Туре	MEMS (Silicon)
FunctionEnable/DisableOutputHCMOS, LVCMOSVoltage - Supply2.5VFrequency Stability±20ppmFrequency Stability (Total)-Operating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)4.5mARatings-Mounting TypeSurface MountPackage / Case4.5MD, No LeadSize / Dimension0.031" (0.79mm)	Programmable Type	Programmed as Request
OutputHCMOS, LVCMOSVoltage - Supply2.5VFrequency Stability±20pmFrequency Stability (Total)-Operating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)4.5mARatings-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	1MHz ~ 110MHz
Voltage - Supply 2.5V   Frequency Stability ±20ppm   Frequency Stability (Total) -   Operating Temperature -20°C ~ 70°C   Spread Spectrum Bandwidth -   Current - Supply (Max) 4.5mA   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±20ppmFrequency Stability (Total)-Operating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)4.5mARatings-Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.197" L x 0.126" W (5.00mm x 3.20mm)Height0.031" (0.79mm)	Output	HCMOS, LVCMOS
Frequency Stability (Total)-Operating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)4.5mARatings-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-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)4.5mARatings-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	±20ppm
Spread Spectrum Bandwidth-Current - Supply (Max)4.5mARatings-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)	-
Current - Supply (Max)4.5mARatings-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	$-20^{\circ}C \sim 70^{\circ}C$
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)	4.5mA
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?

#### SIT8008ACF3-25E 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 BUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

#### SIT8008ACF3-25E Payment Methods



#### SIT8008ACF3-25E Shipping Methods



If you have any question about SIT8008ACF3-25E, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com