



#### SIT3807AC-D-25EM Information



For Reference Only

Part Number SIT3807AC-D-25EM

Manufacturer SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG LVCMOS 2.5V EN/DS 25PPM

Package 6-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.









# SIT3807AC-D-25EM Specifications

Manufacturer Part Number         SIT3807AC-D-25EM           Manufacturer         SiTIME           Category         Crystals, Oscillators, Resonators           Programmable Oscillators           Package         6-SMD, No Lead           Series         SiT3807           Type         MEMS VCXO           Programmable Type         Programmed as Request           Available Frequency Range         1.544MHz ~ 49.152MHz           Function         Enable/Disable           Output         LVCMOS, LVTTL           Voltage - Supply         2.5V           Frequency Stability         ±25ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         33mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.276" L x 0.197" W (7.00mm x 5.00mm)           Height         0.039" (1.00mm)		
Category         Crystals, Oscillators, Resonators           Programmable Oscillators           Package         6-SMD, No Lead           Series         SiT3807           Type         MEMS VCXO           Programmable Type         Programmed as Request           Available Frequency Range         1.544MHz ~ 49.152MHz           Function         Enable/Disable           Output         LVCMOS, LVTTL           Voltage - Supply         2.5V           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         33mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.276" L x 0.197" W (7.00mm x 5.00mm)           Height         0.039" (1.00mm)	Manufacturer Part Number	SIT3807AC-D-25EM
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Series SiT3807 Type MEMS VCXO Programmable Type Programmed as Request Available Frequency Range 1.544MHz ~ 49.152MHz Function Enable/Disable Output LVCMOS, LVTTL Voltage - Supply 2.5V Frequency Stability ±25ppm Frequency Stability (Total) - Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth - Current - Supply (Max) 33mA Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height   Dimension   Description 1.544MHz v 49.152MHz  Programmed as Request  MEMS VCXO  MEMS VCXO  MEMS VCXO  MEMS VCXO  Programmed as Request  1.544MHz v 49.152MHz  Programmed as Request  1.544MHz v 49.152MHz  1.544MHz  1.544MHz v 49.152MHz  1.544MHz  1.5		Programmable Oscillators
Type MEMS VCXO  Programmable Type Programmed as Request  Available Frequency Range 1.544MHz ~ 49.152MHz  Function Enable/Disable  Output LVCMOS, LVTTL  Voltage - Supply 2.5V  Frequency Stability + 25ppm  Frequency Stability (Total) - Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth - Current - Supply (Max) 33mA  Ratings - Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)  Height   Output    Height   Dimension    Programmed as Request   Programmed as Re	Package	6-SMD, No Lead
Programmable Type Programmed as Request  Available Frequency Range 1.544MHz ~ 49.152MHz  Function Enable/Disable  Output LVCMOS, LVTTL  Voltage - Supply 2.5V  Frequency Stability ±25ppm  Frequency Stability (Total) - Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth - Current - Supply (Max) 33mA  Ratings - Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)  Height 0.00000000000000000000000000000000000	Series	SiT3807
Available Frequency Range  1.544MHz ~ 49.152MHz  Function  Enable/Disable  Output  LVCMOS, LVTTL  Voltage - Supply  2.5V  Frequency Stability  †25ppm  Frequency Stability (Total)  - Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  33mA  Ratings  - Mounting Type  Surface Mount  Package / Case  6-SMD, No Lead  Size / Dimension  0.276" L x 0.197" W (7.00mm x 5.00mm)  Height	Туре	MEMS VCXO
Function Enable/Disable Output LVCMOS, LVTTL Voltage - Supply 2.5V Frequency Stability ±25ppm Frequency Stability (Total) - Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth - Current - Supply (Max) 33mA Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.039" (1.00mm) Height	Programmable Type	Programmed as Request
Output LVCMOS, LVTTL  Voltage - Supply 2.5V  Frequency Stability ±25ppm  Frequency Stability (Total) - Operating Temperature -20°C ~70°C  Spread Spectrum Bandwidth - Current - Supply (Max) 33mA  Ratings - Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)  Height 0.039" (1.00mm)	Available Frequency Range	1.544MHz ~ 49.152MHz
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  2.5V  2.5V  2.5V  **Examples**  **Example	Function	Enable/Disable
Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  Size / Dimension  O.276" L x 0.197" W (7.00mm x 5.00mm)  Height  +25ppm  -20°C ~ 70°C  -20°C	Output	LVCMOS, LVTTL
Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  6-SMD, No Lead  Size / Dimension  0.276" L x 0.197" W (7.00mm x 5.00mm)  Height  - 0.039" (1.00mm)	Voltage - Supply	2.5V
Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth - Current - Supply (Max) 33mA Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.039" (1.00mm)	Frequency Stability	±25ppm
Spread Spectrum Bandwidth  Current - Supply (Max)  Ratings  - Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)  Height 0.039" (1.00mm)	Frequency Stability (Total)	-
Current - Supply (Max)       33mA         Ratings       -         Mounting Type       Surface Mount         Package / Case       6-SMD, No Lead         Size / Dimension       0.276" L x 0.197" W (7.00mm x 5.00mm)         Height       0.039" (1.00mm)	Operating Temperature	-20°C ~ 70°C
Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.039" (1.00mm)	Spread Spectrum Bandwidth	-
Mounting Type Surface Mount  Package / Case 6-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)  Height 0.039" (1.00mm)	Current - Supply (Max)	33mA
Package / Case 6-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.039" (1.00mm)	Ratings	-
Size / Dimension       0.276" L x 0.197" W (7.00mm x 5.00mm)         Height       0.039" (1.00mm)	Mounting Type	Surface Mount
Height 0.039" (1.00mm)	Package / Case	6-SMD, No Lead
, ,	Size / Dimension	0.276" L x 0.197" W (7.00mm x 5.00mm)
Report errors?	Height	0.039" (1.00mm)
		Report errors?

#### SIT3807AC-D-25EM 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.

### SIT3807AC-D-25EM Payment Methods



















### SIT3807AC-D-25EM Shipping Methods













If you have any question about SIT3807AC-D-25EM, please do not hesitate to contact us!

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