



### SIT9002AC-33H33DK Information



For Reference Only

Part Number SIT9002AC-33H33DK

Manufacturer SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG CML 3.3V 25PPM SMD

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.









## SIT9002AC-33H33DK Specifications

Manufacturer Part Number         SIT9002AC-33H33DK           Manufacturer         SiTIME           Category         Crystals, Oscillators, Resonators           Programmable Oscillators           Package         6-SMD, No Lead           Series         SiT9002           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 220MHz           Function         -           Output         CML           Voltage - Supply         3.3V           Frequency Stability         ±25ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         ±2.00%, Center Spread           Current - Supply (Max)         51mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.197" L x 0.126" W (5.00mm x 3.20mm)           Height         0.031" (0.79mm)		
Category         Crystals, Oscillators, Resonators           Package         6-SMD, No Lead           Series         SiT9002           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         IMHz ~ 220MHz           Function         -           Output         CML           Voltage - Supply         3.3V           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         ±2.00%, Center Spread           Current - Supply (Max)         51mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.197" L x 0.126" W (5.00mm x 3.20mm)           Height         0.031" (0.79mm)	Manufacturer Part Number	SIT9002AC-33H33DK
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Type MEMS (Silicon)  Programmable Type Programmed as Request  Available Frequency Range 1MHz ~ 220MHz  Function -  Output CML  Voltage - Supply 3.3V  Frequency Stability (Total) -  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth ±2.00%, Center Spread  Current - Supply (Max) 51mA  Ratings -  Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height 0.0000 -  MHZ ~ 220MHz  Programmed as Request  OMES  Surface Mount  Programmed as Request	Package	6-SMD, No Lead
Programmable Type Programmed as Request  Available Frequency Range 1MHz ~ 220MHz  Function - CML  Voltage - Supply 3.3V  Frequency Stability ±25ppm  Frequency Stability (Total) - COME  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth ±2.00%, Center Spread  Current - Supply (Max) 51mA  Ratings - CME  Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height 0.00000000000000000000000000000000000	Series	SiT9002
Available Frequency Range Function - Output CML Voltage - Supply 3.3V Frequency Stability Frequency Stability (Total) Operating Temperature Operating Temperature Spread Spectrum Bandwidth -20°C ~ 70°C Spread Spectrum Bandwidth ±2.00%, Center Spread Current - Supply (Max) S1mA Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm) Height	Туре	MEMS (Silicon)
Function - CML  Voltage - Supply 3.3V  Frequency Stability ±25ppm  Frequency Stability (Total) - COMC  Operating Temperature -20°C ~70°C  Spread Spectrum Bandwidth ±2.00%, Center Spread  Current - Supply (Max) 51mA  Ratings - Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height 0.001" (0.79mm)	Programmable Type	Programmed as Request
Output CML  Voltage - Supply 3.3V  Frequency Stability ±25ppm  Frequency Stability (Total) - Operating Temperature -20°C ~70°C  Spread Spectrum Bandwidth ±2.00%, Center Spread  Current - Supply (Max) 51mA  Ratings - Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height 0.0031" (0.79mm)	Available Frequency Range	1MHz ~ 220MHz
Voltage - Supply Frequency Stability Frequency Stability (Total) Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth ±2.00%, Center Spread Current - Supply (Max) S1mA Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension Height 3.3V 3.3V 3.3V 4.20mm  5.30m  5.30m  6-SMD, No Lead 5.30m  6-SMD, No Lead 5.30mm  6.301" (0.79mm)	Function	-
Frequency Stability (Total)	Output	CML
Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  ±2.00%, Center Spread  Current - Supply (Max)  S1mA  Ratings  -  Mounting Type  Surface Mount  Package / Case  6-SMD, No Lead  Size / Dimension  0.197" L x 0.126" W (5.00mm x 3.20mm)  Height	Voltage - Supply	3.3V
Operating Temperature $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Spread Spectrum Bandwidth $\pm 2.00\%$ , Center SpreadCurrent - Supply (Max) $51\text{mA}$ Ratings-Mounting TypeSurface MountPackage / Case $6\text{-SMD}$ , No LeadSize / Dimension $0.197$ " L x $0.126$ " W ( $5.00\text{mm}$ x $3.20\text{mm}$ )Height $0.031$ " ( $0.79\text{mm}$ )	Frequency Stability	±25ppm
Spread Spectrum Bandwidth         ±2.00%, Center Spread           Current - Supply (Max)         51mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-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)	-
Current - Supply (Max)  Ratings - Mounting Type Surface Mount Package / Case 6-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 Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm) Height 0.031" (0.79mm)	Spread Spectrum Bandwidth	±2.00%, Center Spread
Mounting Type Surface Mount  Package / Case 6-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height 0.031" (0.79mm)	Current - Supply (Max)	51mA
Package / Case 6-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	6-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?

#### SIT9002AC-33H33DK 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.

## SIT9002AC-33H33DK Payment Methods



















### SIT9002AC-33H33DK Shipping Methods













If you have any question about SIT9002AC-33H33DK, please do not hesitate to contact us!

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