



SIT9002AI-48N33DG Information



For Reference Only

Part Number SIT9002AI-48N33DG

Manufacturer SiTIME

Category Crystals, Oscillators, Resonators

Programmable Oscillators

Description OSC PROG HCSL 3.3V 50PPM 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.









SIT9002AI-48N33DG Specifications

Manufacturer Part NumberSIT9002AI-48N33DGManufacturerSiTIMECategoryCrystals, Oscillators, ResonatorsPackage6-SMD, No LeadSeriesSiT9002TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range1MHz ~ 220MHzFunction-OutputHCSLVoltage - Supply3.3VFrequency Stability±50ppmFrequency Stability (Total)-Operating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth±1.00%, Center SpreadCurrent - Supply (Max)80mARatings-Mounting TypeSurface Mount		
Category Crystals, Oscillators, Resonators Programmable Oscillators Package 6-SMD, No Lead Series SiT9002 Type MEMS (Silicon) Programmable Type Programmed as Request Available Frequency Range IMHz ~ 220MHz Function - Output HCSL Voltage - Supply 3.3V Frequency Stability Frequency Stability (Total) Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth ±1.00%, Center Spread Current - Supply (Max) Ratings - Crystals, Oscillators, Resonators Programmable Oscillators Programmable Oscillators Actings 6-SMD, No Lead SiT9002 HEMS (Silicon) Programmed as Request 1MHz ~ 220MHz - Coperating Temperature -40°C ~ 85°C - Spread Spectrum Bandwidth - Supply (Max) - Supply (Ma	Manufacturer Part Number	SIT9002AI-48N33DG
Programmable Oscillators Package 6-SMD, No Lead Series SiT9002 Type MEMS (Silicon) Programmable Type Programmed as Request Available Frequency Range 1MHz ~ 220MHz Function - Output HCSL Voltage - Supply 3.3V Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth ±1.00%, Center Spread Current - Supply (Max) 80mA Ratings - SiT9002 MEMS (Silicon) Programmable Oscillators MEMS (Silicon) Programmed as Request HCSL 20MHz - 200MHz -	Manufacturer	SiTIME
Package6-SMD, No LeadSeriesSiT9002TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range1MHz ~ 220MHzFunction-OutputHCSLVoltage - Supply3.3VFrequency Stability±50ppmFrequency Stability (Total)-Operating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth±1.00%, Center SpreadCurrent - Supply (Max)80mARatings-	Category	Crystals, Oscillators, Resonators
SeriesSiT9002TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range1MHz ~ 220MHzFunction-OutputHCSLVoltage - Supply3.3VFrequency Stability±50ppmFrequency Stability (Total)-Operating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth±1.00%, Center SpreadCurrent - Supply (Max)80mARatings-		Programmable Oscillators
Type MEMS (Silicon) Programmable Type Programmed as Request Available Frequency Range 1MHz ~ 220MHz Function - Output HCSL Voltage - Supply 3.3V Frequency Stability ±50ppm Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth ±1.00%, Center Spread Current - Supply (Max) 80mA Ratings -	Package	6-SMD, No Lead
Programmable Type Programmed as Request Available Frequency Range 1MHz ~ 220MHz Function - Output HCSL Voltage - Supply 3.3V Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth ±1.00%, Center Spread Current - Supply (Max) 80mA Ratings -	Series	SiT9002
Available Frequency Range Function - Output HCSL Voltage - Supply 3.3V Frequency Stability Frequency Stability (Total) Operating Temperature Spread Spectrum Bandwidth Current - Supply (Max) Ratings 1MHz ~ 220MHz	Type	MEMS (Silicon)
Function - Output HCSL Voltage - Supply 3.3V Frequency Stability ±50ppm Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth ±1.00%, Center Spread Current - Supply (Max) 80mA Ratings -	Programmable Type	Programmed as Request
Output HCSL Voltage - Supply 3.3V Frequency Stability ±50ppm Frequency Stability (Total) - Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth ±1.00%, Center Spread Current - Supply (Max) 80mA Ratings -	Available Frequency Range	1MHz ~ 220MHz
Voltage - Supply3.3VFrequency Stability±50ppmFrequency Stability (Total)-Operating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth±1.00%, Center SpreadCurrent - Supply (Max)80mARatings-	Function	-
Frequency Stability (Total) Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth ±1.00%, Center Spread Current - Supply (Max) Ratings - - - - - - - - - - - - -	Output	HCSL
Frequency Stability (Total) Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth ±1.00%, Center Spread Current - Supply (Max) Ratings -	Voltage - Supply	3.3V
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Spread Spectrum Bandwidth $\pm 1.00\%$, Center Spread Current - Supply (Max) $\pm 80\text{mA}$ Ratings $-$	Frequency Stability	±50ppm
Spread Spectrum Bandwidth ±1.00%, Center Spread Current - Supply (Max) 80mA Ratings -	Frequency Stability (Total)	-
Current - Supply (Max) 80mA Ratings -	Operating Temperature	-40°C ~ 85°C
Ratings -	Spread Spectrum Bandwidth	±1.00%, Center Spread
-	Current - Supply (Max)	80mA
Mounting Type Surface Mount	Ratings	-
	Mounting Type	Surface Mount
Package / Case 6-SMD, No Lead	Package / Case	6-SMD, No Lead
Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)	Size / Dimension	0.276" L x 0.197" W (7.00mm x 5.00mm)
Height 0.039" (1.00mm)	Height	0.039" (1.00mm)
Report errors?		Report errors?

SIT9002AI-48N33DG 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.

SIT9002AI-48N33DG Payment Methods



















SIT9002AI-48N33DG Shipping Methods













If you have any question about SIT9002AI-48N33DG, please do not hesitate to contact us!

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