

# DSC6001CI2A-000.0000T

### DSC6001CI2A-000.0000T Information



For Reference Only

Part Number DSC6001CI2A-000.0000T Manufacturer Microchip Technology

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** PROG OSC 1MHZ-80MHZ CMOS

Package 4-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.









## DSC6001CI2A-000.0000T Specifications

Manufacturer Part Number         DSC6001C12A-000.0000T           Manufacturer         Microchip Technology           Category         Crystals, Oscillators, Resonators           Programmable Oscillators           Package         4-SMD, No Lead           Series         DSC60XX           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         1MHz ~ 80MHz           Function         Enable/Disable           Output         CMOS           Voltage - Supply         1.71 V ~ 3.63 V           Frequency Stability         -           Frequency Stability (Total)         ±25ppm           Operating Temperature         40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         1.3mA           Ratings         AEC-Q100           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         0.035" (0.90mm)		
Category         Crystals, Oscillators, Resonators           Programmable Oscillators           Package         4-SMD, No Lead           Series         DSC60XX           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         IMHz ~ 80MHz           Function         Enable/Disable           Output         CMOS           Voltage - Supply         1.71 V ~ 3.63 V           Frequency Stability         -           Frequency Stability (Total)         ±25ppm           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         1.3mA           Ratings         AEC-Q100           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         0.035" (0.90mm)	Manufacturer Part Number	DSC6001CI2A-000.0000T
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Package         4-SMD, No Lead           Series         DSC60XX           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         1MHz ~ 80MHz           Function         Enable/Disable           Output         CMOS           Voltage - Supply         1.71 V ~ 3.63 V           Frequency Stability         -           Frequency Stability (Total)         ±25ppm           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         1.3mA           Ratings         AEC-Q100           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         0.035" (0.90mm)	Category	Crystals, Oscillators, Resonators
SeriesDSC60XXTypeMEMS (Silicon)Programmable TypeBlank (User Must Program)Available Frequency Range1MHz ~ 80MHzFunctionEnable/DisableOutputCMOSVoltage - Supply1.71 V ~ 3.63 VFrequency Stability-Frequency Stability (Total)±25ppmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)1.3mARatingsAEC-Q100Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.126" L x 0.098" W (3.20mm x 2.50mm)Height0.035" (0.90mm)		Programmable Oscillators
Type MEMS (Silicon)  Programmable Type Blank (User Must Program)  Available Frequency Range 1MHz ~ 80MHz  Function Enable/Disable  Output CMOS  Voltage - Supply 1.71 V ~ 3.63 V  Frequency Stability  Frequency Stability (Total) ±25ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 1.3mA  Ratings AEC-Q100  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height 0.035" (0.90mm)	Package	4-SMD, No Lead
Programmable Type  Blank (User Must Program)  Available Frequency Range  1MHz ~ 80MHz  Function  Enable/Disable  Output  CMOS  Voltage - Supply  1.71 V ~ 3.63 V  Frequency Stability  - Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  AEC-Q100  Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  0.126" L x 0.098" W (3.20mm x 2.50mm)  Height	Series	DSC60XX
Available Frequency Range  IMHz ~ 80MHz  Function  Enable/Disable  Output  CMOS  Voltage - Supply  1.71 V ~ 3.63 V  Frequency Stability  - Frequency Stability (Total)  425ppm  Operating Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  1.3mA  Ratings  AEC-Q100  Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  0.126" L x 0.098" W (3.20mm x 2.50mm)  Height	Туре	MEMS (Silicon)
Function Enable/Disable Output CMOS Voltage - Supply 1.71 V ~ 3.63 V Frequency Stability - Frequency Stability (Total) ±25ppm Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth - Current - Supply (Max) 1.3mA Ratings AEC-Q100 Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm) Height 0.005" (0.90mm)	Programmable Type	Blank (User Must Program)
Output CMOS  Voltage - Supply 1.71 V ~ 3.63 V  Frequency Stability - Frequency Stability (Total) ±25ppm Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth - Current - Supply (Max) 1.3mA  Ratings AEC-Q100  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height 0.005" (0.90mm)	Available Frequency Range	1MHz ~ 80MHz
Voltage - Supply  1.71 V ~ 3.63 V  Frequency Stability	Function	Enable/Disable
Frequency Stability (Total)  Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  -  Current - Supply (Max)  Ratings  AEC-Q100  Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  0.126" L x 0.098" W (3.20mm x 2.50mm)  Height	Output	CMOS
Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  AEC-Q100  Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  0.126" L x 0.098" W (3.20mm x 2.50mm)  Height  +25ppm  -40°C ~ 85°C  - Spread Spectrum Bandwidth  - Current - Supply (Max)  1.3mA  AEC-Q100  Surface Mount  4-SMD, No Lead  0.126" L x 0.098" W (3.20mm x 2.50mm)	Voltage - Supply	1.71 V ~ 3.63 V
Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth - Current - Supply (Max)  Ratings AEC-Q100  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height 0.035" (0.90mm)	Frequency Stability	-
Spread Spectrum Bandwidth         -           Current - Supply (Max)         1.3mA           Ratings         AEC-Q100           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         0.035" (0.90mm)	Frequency Stability (Total)	±25ppm
Current - Supply (Max)  Ratings  AEC-Q100  Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  0.126" L x 0.098" W (3.20mm x 2.50mm)  Height  0.035" (0.90mm)	Operating Temperature	-40°C ~ 85°C
Ratings AEC-Q100  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height 0.035" (0.90mm)	Spread Spectrum Bandwidth	-
Mounting Type Surface Mount  Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height 0.035" (0.90mm)	Current - Supply (Max)	1.3mA
Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm) Height 0.035" (0.90mm)	Ratings	AEC-Q100
Size / Dimension       0.126" L x 0.098" W (3.20mm x 2.50mm)         Height       0.035" (0.90mm)	Mounting Type	Surface Mount
Height 0.035" (0.90mm)	Package / Case	4-SMD, No Lead
, ,	Size / Dimension	0.126" L x 0.098" W (3.20mm x 2.50mm)
Report errors?	Height	0.035" (0.90mm)
		Report errors?

#### DSC6001CI2A-000.0000T 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.

## DSC6001CI2A-000.0000T Payment Methods



















## DSC6001CI2A-000.0000T Shipping Methods













If you have any question about DSC6001CI2A-000.0000T, please do not hesitate to contact us!

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