

## DSC8001CI2-PROGRAMMABLE

### **DSC8001CI2-PROGRAMMABLE Information**



For Reference Only

Part Number DSC8001CI2-PROGRAMMABLE

Manufacturer Microchip Technology

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG CMOS 1.8V-3.3V STBY SMD

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.









# **DSC8001CI2-PROGRAMMABLE Specifications**

Manufacturer Part Number         DSC8001C12-PROGRAMMABLE           Manufacturer         Microchip Technology           Category         Crystals, Oscillators, Resonators           Package         4-SMD, No Lead           Series         DSC8001           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 150MHz           Function         Standby           Output         CMOS           Voltage - Supply         1.8 V ~ 3.3 V           Frequency Stability         -           Frequency Stability (Total)         ±25ppm           Operating Temperature         40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         12.2mA           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           Package         4-SMD, No Lead           Series         DSC8001           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         IMHz ~ 150MHz           Function         Standby           Output         CMOS           Voltage - Supply         1.8 V ~ 3.3 V           Frequency Stability         -           Frequency Stability (Total)         ±25ppm           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         12.2mA           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	DSC8001CI2-PROGRAMMABLE
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TypeMEMS (Silicon)Programmable TypeProgrammed as RequestAvailable Frequency Range1MHz ~ 150MHzFunctionStandbyOutputCMOSVoltage - Supply1.8 V ~ 3.3 VFrequency Stability-Frequency Stability (Total)±25ppmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)12.2mARatingsAEC-Q100Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.126" L x 0.098" W (3.20mm x 2.50mm)Height0.035" (0.90mm)	Package	4-SMD, No Lead
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Available Frequency Range Function Standby Output CMOS Voltage - Supply 1.8 V ~ 3.3 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 Size / Dimension  0.035" (0.90mm)  Height	Туре	MEMS (Silicon)
Function Standby Output CMOS  Voltage - Supply 1.8 V ~ 3.3 V  Frequency Stability - Frequency Stability (Total) ±25ppm Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth - Current - Supply (Max) 12.2mA  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 0.0055" (0.90mm)	Programmable Type	Programmed as Request
OutputCMOSVoltage - Supply1.8 V ~ 3.3 VFrequency Stability-Frequency Stability (Total)±25ppmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)12.2mARatingsAEC-Q100Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.126" L x 0.098" W (3.20mm x 2.50mm)Height0.035" (0.90mm)	Available Frequency Range	1MHz ~ 150MHz
Voltage - Supply  Frequency Stability  Frequency Stability (Total)  Deprating Temperature  Spread Spectrum Bandwidth  Current - Supply (Max)  Ratings  AEC-Q100  Mounting Type  Surface Mount  Package / Case  Size / Dimension  Height  1.8 V ~ 3.3 V  1.8 V ~ 3.2 V  1.8 V ~ 3.3 V  1.8 V ~ 3.3 V  1.8 V ~ 3.3 V  1.8 V ~ 3.2 V  1.8 V ~ 3.3 V  1.8 V ~ 3.5 V	Function	Standby
Frequency Stability (Total) ±25ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 12.2mA  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)	Output	CMOS
Frequency Stability (Total)  Derating 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  -40°C ~ 85	Voltage - Supply	1.8 V ~ 3.3 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)         12.2mA           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)	12.2mA
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?

### **DSC8001CI2-PROGRAMMABLE Guarantees**



#### **Ouality 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.

## **DSC8001CI2-PROGRAMMABLE Payment Methods**



















## DSC8001CI2-PROGRAMMABLE Shipping Methods













If you have any question about DSC8001CI2-PROGRAMMABLE, please do not hesitate to contact us!

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