



#### **DSC8121AI2 Information**



For Reference Only

Part Number DSC8121AI2

Manufacturer Microchip Technology

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC MEMS BLANK 7.0X5.0 CMOS

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.









# **DSC8121AI2 Specifications**

Manufacturer Part Number         DSC8121A12           Manufacturer         Microchip Technology           Category         Crystals, Oscillators, Resonators           Programmable Oscillators           Package         6-SMD, No Lead           Series         DSC8121           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         10MHz ~ 170MHz           Function         Enable/Disable           Output         CMOS           Voltage - Supply         2.5 V ~ 3.6 V           Frequency Stability         -           Frequency Stability (Total)         ±25ppm           Operating Temperature         40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         35mA           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         0.035" (0.90mm)		
Category         Crystals, Oscillators, Resonators           Package         6-SMD, No Lead           Series         DSC8121           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         10MHz ~ 170MHz           Function         Enable/Disable           Output         CMOS           Voltage - Supply         2.25 V ~ 3.6 V           Frequency Stability         -           Frequency Stability (Total)         ±25ppm           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         35mA           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         0.035" (0.90mm)	Manufacturer Part Number	DSC8121AI2
Package         6-SMD, No Lead           Series         DSC8121           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         10MHz ~ 170MHz           Function         Enable/Disable           Output         CMOS           Voltage - Supply         -           Frequency Stability         -           Frequency Stability (Total)         ±25ppm           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         35mA           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         0.035" (0.90mm)	Manufacturer	Microchip Technology
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SeriesDSC8121TypeMEMS (Silicon)Programmable TypeBlank (User Must Program)Available Frequency Range10MHz ~ 170MHzFunctionEnable/DisableOutputCMOSVoltage - Supply2.25 V ~ 3.6 VFrequency Stability-Frequency Stability (Total)±25ppmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)35mARatings-Mounting TypeSurface MountPackage / Case6-SMD, No LeadSize / Dimension0.276" L x 0.197" W (7.00mm x 5.00mm)Height0.035" (0.90mm)		Programmable Oscillators
Type MEMS (Silicon)  Programmable Type Blank (User Must Program)  Available Frequency Range 10MHz ~ 170MHz  Function Enable/Disable  Output CMOS  Voltage - Supply 2.25 V ~ 3.6 V  Frequency Stability -  Frequency Stability (Total) ±25ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 35mA  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 0.035" (0.90mm)	Package	6-SMD, No Lead
Programmable Type  Available Frequency Range  10MHz ~ 170MHz  Function  Enable/Disable  Output  CMOS  Voltage - Supply  7 c c c c c c c c c c c c c c c c c c	Series	DSC8121
Available Frequency Range  Function  Enable/Disable  Output  CMOS  Voltage - Supply  2.25 V ~ 3.6 V  Frequency Stability  - Frequency Stability (Total)  425ppm  Operating Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  6-SMD, No Lead  Size / Dimension  0.035" (0.90mm)	Туре	MEMS (Silicon)
Function Enable/Disable Output CMOS Voltage - Supply 2.25 V ~ 3.6 V Frequency Stability - Frequency Stability (Total) ±25ppm Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth - Current - Supply (Max) 35mA Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.035" (0.90mm) Height	Programmable Type	Blank (User Must Program)
Output CMOS  Voltage - Supply 2.25 V ~ 3.6 V  Frequency Stability -  Frequency Stability (Total) ±25ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 35mA  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 0.005" (0.90mm)	Available Frequency Range	10MHz ~ 170MHz
Voltage - Supply 2.25 V $\sim$ 3.6 V Frequency Stability Frequency Stability (Total) $\pm$ 25ppm Operating Temperature -40°C $\sim$ 85°C Spread Spectrum Bandwidth - Current - Supply (Max) 35mA 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 0.035" (0.90mm)	Function	Enable/Disable
Frequency Stability (Total)  Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Statings  - Mounting Type  Surface Mount  Package / Case  Size / Dimension  O.276" L x 0.197" W (7.00mm x 5.00mm)  Height  -  -  O.035" (0.90mm)	Output	CMOS
Frequency Stability (Total) ±25ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 35mA  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 0.035" (0.90mm)	Voltage - Supply	2.25 V ~ 3.6 V
Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 35mA  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 0.035" (0.90mm)	Frequency Stability	-
Spread Spectrum Bandwidth - Current - Supply (Max) 35mA 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 0.035" (0.90mm)	Frequency Stability (Total)	±25ppm
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 0.035" (0.90mm)	Operating Temperature	-40°C ~ 85°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 0.035" (0.90mm)	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 0.035" (0.90mm)	Current - Supply (Max)	35mA
Package / Case 6-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.035" (0.90mm)	Ratings	-
Size / Dimension       0.276" L x 0.197" W (7.00mm x 5.00mm)         Height       0.035" (0.90mm)	Mounting Type	Surface Mount
Height 0.035" (0.90mm)	Package / Case	6-SMD, No Lead
•	Size / Dimension	0.276" L x 0.197" W (7.00mm x 5.00mm)
Report errors?	Height	0.035" (0.90mm)
		Report errors?

#### **DSC8121AI2** 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.

# **DSC8121AI2 Payment Methods**





















### **DSC8121AI2 Shipping Methods**













If you have any question about DSC8121AI2, please do not hesitate to contact us!

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