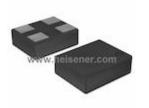




### DSC6102JI1A-000.0000 Information



For Reference Only

Part Number DSC6102JI1A-000.0000

Manufacturer Microchip Technology

Category Crystals, Oscillators, Resonators

Programmable Oscillators

**Description** PROG OSC 1MHZ-100MHZ 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.









# DSC6102JI1A-000.0000 Specifications

Manufacturer Part Number         DSC6102JIIA-000.0000           Manufacturer         Microchip Technology           Category         Crystals, Oscillators, Resonators           Programmable Oscillators         Programmable Oscillators           Package         4-SMD, No Lead           Series         DSC6100           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         1MHz ~ 100MHz           Function         Enable/Disable           Output         CMOS           Voltage - Supply         1.71 V ~ 3.63 V           Frequency Stability         ±50ppm           Operating Temperature         40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         3mA (Typ)           Ratings         AEC-Q100           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.098" L x 0.079" W (2.50mm x 2.00mm)           Height         0.035" (0.89mm)		
Category         Crystals, Oscillators, Resonators           Package         4-SMD, No Lead           Series         DSC6100           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         1MHz ~ 100MHz           Function         Enable/Disable           Output         CMOS           Voltage - Supply         1.71 V ~ 3.63 V           Frequency Stability         -           Frequency Stability (Total)         ±50ppm           Operating Temperature         40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         3mA (Typ)           Ratings         AEC-Q100           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.098" L x 0.079" W (2.50mm x 2.00mm)           Height         0.035" (0.89mm)	Manufacturer Part Number	DSC6102JI1A-000.0000
Package         4-SMD, No Lead           Series         DSC6100           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         1MHz ~ 100MHz           Function         Enable/Disable           Output         CMOS           Voltage - Supply         1.71 V ~ 3.63 V           Frequency Stability         -           Frequency Stability (Total)         ±50ppm           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         3mA (Typ)           Ratings         AEC-Q100           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.098" L x 0.079" W (2.50mm x 2.00mm)           Height         0.035" (0.89mm)	Manufacturer	Microchip Technology
Package         4-SMD, No Lead           Series         DSC6100           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         1MHz ~ 100MHz           Function         Enable/Disable           Output         CMOS           Voltage - Supply         1.71 V ~ 3.63 V           Frequency Stability         -           Frequency Stability (Total)         ±50ppm           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         3mA (Typ)           Ratings         AEC-Q100           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.098" L x 0.079" W (2.50mm x 2.00mm)           Height         0.035" (0.89mm)	Category	Crystals, Oscillators, Resonators
Series         DSC6100           Type         MEMS (Silicon)           Programmable Type         Blank (User Must Program)           Available Frequency Range         1MHz ~ 100MHz           Function         Enable/Disable           Output         CMOS           Voltage - Supply         1.71 V ~ 3.63 V           Frequency Stability         -           Frequency Stability (Total)         ±50ppm           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         3mA (Typ)           Ratings         AEC-Q100           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.098" L x 0.079" W (2.50mm x 2.00mm)           Height         0.035" (0.89mm)		Programmable Oscillators
TypeMEMS (Silicon)Programmable TypeBlank (User Must Program)Available Frequency Range1MHz ~ 100MHzFunctionEnable/DisableOutputCMOSVoltage - Supply1.71 V ~ 3.63 VFrequency Stability-Frequency Stability (Total)±50ppmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)3mA (Typ)RatingsAEC-Q100Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.098" L x 0.079" W (2.50mm x 2.00mm)Height0.035" (0.89mm)	Package	4-SMD, No Lead
Programmable Type  Available Frequency Range  1MHz ~ 100MHz  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  0.035" (0.89mm)	Series	DSC6100
Available Frequency Range  IMHz ~ 100MHz  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  0.098" L x 0.079" W (2.50mm x 2.00mm)  Height	Туре	MEMS (Silicon)
Function Enable/Disable Output CMOS  Voltage - Supply 1.71 V ~ 3.63 V  Frequency Stability -  Frequency Stability (Total) ±50ppm Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth - Current - Supply (Max) 3mA (Typ)  Ratings AEC-Q100  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm)  Height 0.005" (0.89mm)	Programmable Type	Blank (User Must Program)
OutputCMOSVoltage - Supply1.71 V ~ 3.63 VFrequency Stability-Frequency Stability (Total)±50ppmOperating Temperature-40°C ~ 85°CSpread Spectrum Bandwidth-Current - Supply (Max)3mA (Typ)RatingsAEC-Q100Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.098" L x 0.079" W (2.50mm x 2.00mm)Height0.035" (0.89mm)	Available Frequency Range	1MHz ~ 100MHz
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  0.098" L x 0.079" W (2.50mm x 2.00mm)  Height	Function	Enable/Disable
Frequency Stability (Total) ±50ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 3mA (Typ)  Ratings AEC-Q100  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm)  Height 0.035" (0.89mm)	Output	CMOS
Frequency Stability (Total) ±50ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 3mA (Typ)  Ratings AEC-Q100  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm)  Height 0.035" (0.89mm)	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 0.098" L x 0.079" W (2.50mm x 2.00mm)  Height 0.035" (0.89mm)	Frequency Stability	-
Spread Spectrum Bandwidth  Current - Supply (Max)  Ratings  AEC-Q100  Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  0.098" L x 0.079" W (2.50mm x 2.00mm)  Height  0.035" (0.89mm)	Frequency Stability (Total)	±50ppm
Current - Supply (Max)  Ratings  AEC-Q100  Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  0.098" L x 0.079" W (2.50mm x 2.00mm)  Height  0.035" (0.89mm)	Operating Temperature	-40°C ~ 85°C
Ratings AEC-Q100  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm)  Height 0.035" (0.89mm)	Spread Spectrum Bandwidth	-
Mounting Type Surface Mount  Package / Case 4-SMD, No Lead Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm)  Height 0.035" (0.89mm)	Current - Supply (Max)	3mA (Typ)
Package / Case 4-SMD, No Lead Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm) Height 0.035" (0.89mm)	Ratings	AEC-Q100
Size / Dimension       0.098" L x 0.079" W (2.50mm x 2.00mm)         Height       0.035" (0.89mm)	Mounting Type	Surface Mount
Height 0.035" (0.89mm)	Package / Case	4-SMD, No Lead
	Size / Dimension	0.098" L x 0.079" W (2.50mm x 2.00mm)
Report errors?	Height	0.035" (0.89mm)
		Report errors?

#### DSC6102JI1A-000.0000 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.

### DSC6102JI1A-000.0000 Payment Methods



















## DSC6102JI1A-000.0000 Shipping Methods













If you have any question about DSC6102JI1A-000.0000, please do not hesitate to contact us!

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