



### **501KCG-ADAF Information**



For Reference Only

Part Number 501KCG-ADAF Manufacturer Silicon Labs

Category Crystals, Oscillators, Resonators Programmable Oscillators

**Description** OSC PROG LVCMOS 2.5V EN/DS 20PPM

Package 4-SMD, No Lead

For the pricing/inventory/lead time, please contact

us

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



Request a Quote

# **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.









### **501KCG-ADAF Specifications**

Category         Crystals, Oscillators, Resonators           Package         4-SMD, No Lead           Series         CMEMS? Si501           Type         CMEMS?           Programmable Type         Programmed as Request           Available Frequency Range         32kHz ~ 100MHz           Function         Enable/Disable           Output         LVCMOS           Voltage - Supply         2.5V           Frequency Stability         -           Frequency Stability (Total)         ±20ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         8.9mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.098" L x 0.079" W (2.50mm x 2.00mm)		
Category         Crystals, Oscillators, Resonators           Package         4-SMD, No Lead           Series         CMEMS? Si501           Type         CMEMS?           Programmable Type         Programmed as Request           Available Frequency Range         32kHz ~ 100MHz           Function         Enable/Disable           Output         LVCMOS           Voltage - Supply         2.5V           Frequency Stability         -           Frequency Stability (Total)         ±20ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         8.9mA           Ratings         -           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" (0.90mm)	Manufacturer Part Number	501KCG-ADAF
Package         4-SMD, No Lead           Series         CMEMS? Si501           Type         CMEMS?           Programmable Type         Programmed as Request           Available Frequency Range         32kHz ~ 100MHz           Function         Enable/Disable           Output         LVCMOS           Voltage - Supply         2.5V           Frequency Stability         -           Frequency Stability (Total)         ±20ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         8.9mA           Ratings         -           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" (0.90mm)	Manufacturer	Silicon Labs
Package         4-SMD, No Lead           Series         CMEMS? Si501           Type         CMEMS?           Programmable Type         Programmed as Request           Available Frequency Range         32kHz ~ 100MHz           Function         Enable/Disable           Output         LVCMOS           Voltage - Supply         2.5V           Frequency Stability         -           Frequency Stability (Total)         ±20ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         8.9mA           Ratings         -           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" (0.90mm)	Category	Crystals, Oscillators, Resonators
SeriesCMEMS? Si501TypeCMEMS?Programmable TypeProgrammed as RequestAvailable Frequency Range32kHz ~ 100MHzFunctionEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability-Frequency Stability (Total)±20ppmOperating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)8.9mARatings-Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.098" L x 0.079" W (2.50mm x 2.00mm)Height0.035" (0.90mm)		Programmable Oscillators
Type CMEMS?  Programmable Type Programmed as Request  Available Frequency Range 32kHz ~ 100MHz  Function Enable/Disable  Output LVCMOS  Voltage - Supply 2.5V  Frequency Stability  Frequency Stability (Total) ±20ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 8.9mA  Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.035" (0.90mm)  Height OMEMS 32kHz ~ 100MHz  Programmed as Request  Programmed as Request  13kHz ~ 100MHz  Enable/Disable  1-VCMOS  2.5V  Frequency Stability (Total) -2.5V  4-SMD, No Lead  5.100MHz  5.200MHz  5.200MHz  6.200MHz  6	Package	4-SMD, No Lead
Programmable Type Programmed as Request  Available Frequency Range 32kHz ~ 100MHz  Function Enable/Disable  Output LVCMOS  Voltage - Supply 2.5V  Frequency Stability  Frequency Stability (Total) ±20ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 8.9mA  Ratings  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 0.0055" (0.90mm)	Series	CMEMS? Si501
Available Frequency Range  Function  Enable/Disable  Output  LVCMOS  Voltage - Supply  2.5V  Frequency Stability  - Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - 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	CMEMS?
Function Enable/Disable Output LVCMOS Voltage - Supply 2.5V Frequency Stability - Frequency Stability (Total) ±20ppm Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth - Current - Supply (Max) 8.9mA Ratings - 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" (0.90mm)	Programmable Type	Programmed as Request
Output LVCMOS  Voltage - Supply 2.5V  Frequency Stability - Frequency Stability (Total) ±20ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth - Current - Supply (Max) 8.9mA  Ratings - 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" (0.90mm)	Available Frequency Range	32kHz ~ 100MHz
Voltage - Supply  2.5V  Frequency Stability	Function	Enable/Disable
Frequency Stability (Total)  Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - 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	Output	LVCMOS
Frequency Stability (Total)  Derating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - 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  - Description:	Voltage - Supply	2.5V
Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 8.9mA  Ratings -  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" (0.90mm)	Frequency Stability	-
Spread Spectrum Bandwidth  Current - Supply (Max)  Ratings  - 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" (0.90mm)	Frequency Stability (Total)	±20ppm
Current - Supply (Max)       8.9mA         Ratings       -         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" (0.90mm)	Operating Temperature	-20°C ~ 70°C
Ratings - 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" (0.90mm)	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" (0.90mm)	Current - Supply (Max)	8.9mA
Package / Case 4-SMD, No Lead Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm) Height 0.035" (0.90mm)	Ratings	-
Size / Dimension       0.098" L x 0.079" W (2.50mm x 2.00mm)         Height       0.035" (0.90mm)	Mounting Type	Surface Mount
Height 0.035" (0.90mm)	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" (0.90mm)
		Report errors?

#### **501KCG-ADAF 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.

## **501KCG-ADAF Payment Methods**





















### **501KCG-ADAF Shipping Methods**













If you have any question about 501KCG-ADAF, please do not hesitate to contact us!

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