



### **501MAF-ADAF Information**



For Reference Only

Part Number 501MAF-ADAF Manufacturer Silicon Labs

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG LVCMOS 1.7V-3.6V EN/DS

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.









# **501MAF-ADAF Specifications**

Manufacturer Part Number         501MAF-ADAF           Manufacturer         Silicon Labs           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         1.7 V ~ 3.6 V           Frequency Stability         -           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           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         1.7 V ~ 3.6 V           Frequency Stability         -           Frequency Stability (Total)         ±50ppm           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	501MAF-ADAF
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Series         CMEMS?           Type         CMEMS?           Programmable Type         Programmed as Request           Available Frequency Range         32kHz ~ 100MHz           Function         Enable/Disable           Output         LVCMOS           Voltage - Supply         1.7 V ~ 3.6 V           Frequency Stability         -           Frequency Stability (Total)         ±50ppm           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)		Programmable Oscillators
TypeCMEMS?Programmable TypeProgrammed as RequestAvailable Frequency Range32kHz ~ 100MHzFunctionEnable/DisableOutputLVCMOSVoltage - Supply1.7 V ~ 3.6 VFrequency Stability-Frequency Stability (Total)±50ppmOperating 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)	Package	4-SMD, No Lead
Programmable Type Available Frequency Range 32kHz ~ 100MHz Function Enable/Disable Output LVCMOS Voltage - Supply 1.7 V ~ 3.6 V Frequency Stability - Frequency Stability (Total) Operating Temperature 2-20°C ~ 70°C Spread Spectrum Bandwidth - Current - Supply (Max) Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.035" (0.90mm)  Programmed as Request  32kHz ~ 100MHz  Frequency 32kHz ~ 100MHz  Frequency 52kHz ~ 100MHz  4-SMD, No Lead 52kHz ~ 100MHz  52kHz ~ 100MHz  52kHz ~ 100MHz  64kHz ~ 100MHz  65kHz	Series	CMEMS? Si501
Available Frequency Range32kHz ~ 100MHzFunctionEnable/DisableOutputLVCMOSVoltage - Supply1.7 V ~ 3.6 VFrequency Stability-Frequency Stability (Total)±50ppmOperating 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)	Туре	CMEMS?
Function Enable/Disable Output LVCMOS  Voltage - Supply 1.7 V ~ 3.6 V  Frequency Stability - Frequency Stability (Total) ±50ppm 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)	Programmable Type	Programmed as Request
OutputLVCMOSVoltage - Supply1.7 V ~ 3.6 VFrequency Stability-Frequency Stability (Total)±50ppmOperating 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)	Available Frequency Range	32kHz ~ 100MHz
Voltage - Supply  Frequency Stability  Frequency Stability (Total)  Deprating Temperature  Spread Spectrum Bandwidth  Current - Supply (Max)  Ratings  Mounting Type  Surface Mount  Package / Case  Size / Dimension  Height  1.7 V ~ 3.6 V  1.7 V ~ 3.6 V  8.9mA  -20°C ~ 70°C  8 - 90°C  9	Function	Enable/Disable
Frequency Stability (Total) ±50ppm  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)	Output	LVCMOS
Frequency Stability (Total) ±50ppm  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)	Voltage - Supply	1.7 V ~ 3.6 V
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 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)	±50ppm
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?

#### **501MAF-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.

### **501MAF-ADAF Payment Methods**



















## **501MAF-ADAF Shipping Methods**













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

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