



### **501CAK-ADAF Information**



For Reference Only

Part Number 501CAK-ADAF Manufacturer Silicon Labs

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG LVCMOS 2.5V EN/DS 50PPM

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.









# **501CAK-ADAF Specifications**

ManufacturerSilicon LabsCategoryCrystals, Oscillators, ResonatorsProgrammable OscillatorsPackage4-SMD, No LeadSeriesCMEMS? Si501TypeCMEMS?Programmable TypeProgrammed as RequestAvailable Frequency Range32kHz ~ 100MHzFunctionEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability-Frequency Stability (Total)±50ppmOperating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)6.5mARatings-		
Category Crystals, Oscillators, Resonators Programmable Oscillators  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)  Deprating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth - Current - Supply (Max) Ratings  - SMD, No Lead -A-SMD, No Lead -SMD, No Lead	Manufacturer Part Number	501CAK-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 (Total) ±50ppm Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth - Current - Supply (Max) Ratings - CMEMS?	Manufacturer	Silicon Labs
Package4-SMD, No LeadSeriesCMEMS? Si501TypeCMEMS?Programmable TypeProgrammed as RequestAvailable Frequency Range32kHz ~ 100MHzFunctionEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability-Frequency Stability (Total)±50ppmOperating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)6.5mARatings-	Category	Crystals, Oscillators, Resonators
SeriesCMEMS? Si501TypeCMEMS?Programmable TypeProgrammed as RequestAvailable Frequency Range32kHz ~ 100MHzFunctionEnable/DisableOutputLVCMOSVoltage - Supply2.5VFrequency Stability-Frequency Stability (Total)±50ppmOperating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)6.5mARatings-		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) ±50ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 6.5mA  Ratings - CMEMS?  Programmed as Request  Available Frequest  Spectrum Sandwidt  CMEMS?  Programmed as Request  -30kHz ~ 100MHz  Enable/Disable  LVCMOS  - 2.5V  - 2.5V  Frequency Stability (Total)  - 50ppm  - 20°C ~ 70°C  Spread Spectrum Bandwidth	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) ±50ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 6.5mA  Ratings - 32kHz ~ 100MHz  Enable/Disable  LVCMOS  - 20°C ~ 70°C  Spread Spectrum Bandwidth  Current - Supply (Max)  Ratings  Programmed as Request  32kHz ~ 100MHz  Enable/Disable  - 20°C ~ 70°C  Spread Spectrum Bandwidth  Current - Supply (Max) 6.5mA	Series	CMEMS? Si501
Available Frequency Range  Substitution  Function  Enable/Disable  LVCMOS  Voltage - Supply  Supply  Frequency Stability  Frequency Stability (Total)  Operating Temperature  Spread Spectrum Bandwidth  Current - Supply (Max)  Ratings  Substitute  Ratings  Substitute  Enable/Disable  LVCMOS  2.5V  Frequency Stability  -  -  -  -  -  -  -  -  -  -  -  -  -	Туре	CMEMS?
Function Enable/Disable  Output LVCMOS  Voltage - Supply 2.5V  Frequency Stability  Frequency Stability (Total) ±50ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth  Current - Supply (Max) 6.5mA  Ratings	Programmable Type	Programmed as Request
OutputLVCMOSVoltage - Supply2.5VFrequency Stability-Frequency Stability (Total)±50ppmOperating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)6.5mARatings-	Available Frequency Range	32kHz ~ 100MHz
Voltage - Supply  Frequency Stability  Frequency Stability (Total)  Operating Temperature  Spread Spectrum Bandwidth  Current - Supply (Max)  Ratings  2.5V  2.5V	Function	Enable/Disable
Frequency Stability (Total)  Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  -  Current - Supply (Max)  Ratings  -  -  -  -  -  -  -  -  -  -  -  -  -	Output	LVCMOS
Frequency Stability (Total) ±50ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 6.5mA  Ratings -	Voltage - Supply	2.5V
Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 6.5mA  Ratings -	Frequency Stability	-
Spread Spectrum Bandwidth - Current - Supply (Max) 6.5mA Ratings -	Frequency Stability (Total)	±50ppm
Current - Supply (Max) 6.5mA Ratings -	Operating Temperature	-20°C ~ 70°C
Ratings -	Spread Spectrum Bandwidth	-
-	Current - Supply (Max)	6.5mA
	Ratings	-
Mounting Type Surface Mount	Mounting Type	Surface Mount
Package / Case 4-SMD, No Lead	Package / Case	4-SMD, No Lead
Size / Dimension 0.098" L x 0.079" W (2.50mm x 2.00mm)	Size / Dimension	0.098" L x 0.079" W (2.50mm x 2.00mm)
Height 0.035" (0.90mm)	Height	0.035" (0.90mm)
Report errors?		Report errors?

#### **501CAK-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.

### **501CAK-ADAF Payment Methods**



















## **501CAK-ADAF Shipping Methods**













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

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