



### **501DAK-ABAF Information**



For Reference Only

Part Number 501DAK-ABAF Manufacturer Silicon Labs

Category Crystals, Oscillators, Resonators Programmable Oscillators

**Description** OSC PROG LVCMOS 1.8V 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.









## **501DAK-ABAF Specifications**

Manufacturer Part Number         501DAK-ABAF           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         1.8V           Frequency Stability         -           Frequency Stability (Total)         ±50ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         6.5mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.157" L x 0.126" W (4.00mm x 3.20mm)           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         1.8V           Frequency Stability         -           Frequency Stability (Total)         ±50ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         6.5mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.157" L x 0.126" W (4.00mm x 3.20mm)           Height         0.035" (0.90mm)	Manufacturer Part Number	501DAK-ABAF
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         1.8V           Frequency Stability         -           Frequency Stability (Total)         ±50ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         6.5mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.157" L x 0.126" W (4.00mm x 3.20mm)           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         1.8V           Frequency Stability (Total)         ±50ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         6.5mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.157" L x 0.126" W (4.00mm x 3.20mm)           Height         0.035" (0.90mm)	Category	Crystals, Oscillators, Resonators
Series         CMEMS? Si501           Type         CMEMS?           Programmable Type         Programmed as Request           Available Frequency Range         32kHz ~ 100MHz           Function         Enable/Disable           Output         LVCMOS           Voltage - Supply         1.8V           Frequency Stability         -           Frequency Stability (Total)         ±50ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         6.5mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.157" L x 0.126" W (4.00mm x 3.20mm)           Height         0.035" (0.90mm)		Programmable Oscillators
TypeCMEMS?Programmable TypeProgrammed as RequestAvailable Frequency Range32kHz ~ 100MHzFunctionEnable/DisableOutputLVCMOSVoltage - Supply1.8VFrequency Stability-Frequency Stability (Total)±50ppmOperating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)6.5mARatings-Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.157" L x 0.126" W (4.00mm x 3.20mm)Height0.035" (0.90mm)	Package	4-SMD, No Lead
Programmable Type Available Frequency Range 32kHz ~ 100MHz Function Enable/Disable Output LVCMOS Voltage - Supply 1.8V 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 Height  Programmed as Request 32kHz ~ 100MHz Frequency 32kHz ~ 100MHz 6-NA Six Hz ~ 100M	Series	CMEMS? Si501
Available Frequency Range  Function  Enable/Disable  Output  LVCMOS  Voltage - Supply  1.8V  Frequency Stability  - Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  Size / Dimension  0.035" (0.90mm)	Type	CMEMS?
Function Enable/Disable Output LVCMOS  Voltage - Supply 1.8V  Frequency Stability Frequency Stability (Total) ±50ppm Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth - Current - Supply (Max) 6.5mA  Ratings Mounting Type Surface Mount Package / Case 4-SMD, No Lead  Size / Dimension 0.157" L x 0.126" W (4.00mm x 3.20mm)  Height 0.0055" (0.90mm)	Programmable Type	Programmed as Request
OutputLVCMOSVoltage - Supply1.8VFrequency Stability-Frequency Stability (Total)±50ppmOperating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)6.5mARatings-Mounting TypeSurface MountPackage / Case4-SMD, No LeadSize / Dimension0.157" L x 0.126" W (4.00mm x 3.20mm)Height0.035" (0.90mm)	Available Frequency Range	32kHz ~ 100MHz
Voltage - Supply  Frequency Stability  Frequency Stability (Total)  Deperating Temperature  Spread Spectrum Bandwidth  Current - Supply (Max)  Ratings  Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  Height  1.8V	Function	Enable/Disable
Frequency Stability (Total) ±50ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth - Current - Supply (Max) 6.5mA  Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.157" L x 0.126" W (4.00mm x 3.20mm)  Height 0.035" (0.90mm)	Output	LVCMOS
Frequency Stability (Total) ±50ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 6.5mA  Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.157" L x 0.126" W (4.00mm x 3.20mm)  Height 0.035" (0.90mm)	Voltage - Supply	1.8V
Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth - Current - Supply (Max) 6.5mA  Ratings - Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.157" L x 0.126" W (4.00mm x 3.20mm)  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 0.157" L x 0.126" W (4.00mm x 3.20mm)  Height 0.035" (0.90mm)	Frequency Stability (Total)	±50ppm
Current - Supply (Max)  Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.157" L x 0.126" W (4.00mm x 3.20mm) Height 0.035" (0.90mm)	Operating Temperature	-20°C ~ 70°C
Ratings Mounting Type Surface Mount  Package / Case 4-SMD, No Lead Size / Dimension 0.157" L x 0.126" W (4.00mm x 3.20mm)  Height 0.035" (0.90mm)	Spread Spectrum Bandwidth	-
Mounting Type Surface Mount  Package / Case 4-SMD, No Lead Size / Dimension 0.157" L x 0.126" W (4.00mm x 3.20mm)  Height 0.035" (0.90mm)	Current - Supply (Max)	6.5mA
Package / Case       4-SMD, No Lead         Size / Dimension       0.157" L x 0.126" W (4.00mm x 3.20mm)         Height       0.035" (0.90mm)	Ratings	-
Size / Dimension       0.157" L x 0.126" W (4.00mm x 3.20mm)         Height       0.035" (0.90mm)	Mounting Type	Surface Mount
Height 0.035" (0.90mm)	Package / Case	4-SMD, No Lead
	Size / Dimension	0.157" L x 0.126" W (4.00mm x 3.20mm)
Report errors?	Height	0.035" (0.90mm)
		Report errors?

### **501DAK-ABAF 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.

## **501DAK-ABAF Payment Methods**



















## **501DAK-ABAF Shipping Methods**













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

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