



### **510HBB-CAAG Information**



For Reference Only

Part Number 510HBB-CAAG Manufacturer Silicon Labs

Category Crystals, Oscillators, Resonators

Programmable Oscillators

**Description** OSC PROG HCSL 2.5V EN/DS 25PPM

Package 6-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.









## **510HBB-CAAG Specifications**

Manufacturer Part Number         \$10HBB-CAAG           Manufacturer         Silicon Labs           Category         Crystals, Oscillators, Resonators           Package         6-SMD, No Lead           Series         Si510           Type         XO (Standard)           Programmable Type         Programmed as Request           Available Frequency Range         170MHz ~ 250MHz           Function         Enable/Disable           Output         HCSL           Voltage - Supply         2.5V           Frequency Stability         ±25ppm           Frequency Stability (Total)         ±50ppm           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         44mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.276" L x 0.197" W (7.00mm x 5.00mm)           Height         0.071" (1.80mm)		
Category         Crystals, Oscillators, Resonators           Package         6-SMD, No Lead           Series         Si510           Type         XO (Standard)           Programmable Type         Programmed as Request           Available Frequency Range         170MHz ~ 250MHz           Function         Enable/Disable           Output         HCSL           Voltage - Supply         2.5V           Frequency Stability         ±25ppm           Frequency Stability (Total)         ±50ppm           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         44mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.276" L x 0.197" W (7.00mm x 5.00mm)           Height         0.071" (1.80mm)	Manufacturer Part Number	510HBB-CAAG
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Available Frequency Range Function Enable/Disable Output HCSL Voltage - Supply 2.5V Frequency Stability +25ppm Frequency Stability (Total) Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth - Current - Supply (Max) AdmA Ratings - Mounting Type Surface Mount Package / Case Size / Dimension 0.071" (1.80mm)	Type	XO (Standard)
Function Enable/Disable Output HCSL Voltage - Supply 2.5V Frequency Stability ±25ppm Frequency Stability (Total) ±50ppm Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth - Current - Supply (Max) 44mA Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.071" (1.80mm)	Programmable Type	Programmed as Request
Output HCSL  Voltage - Supply 2.5V  Frequency Stability ±25ppm  Frequency Stability (Total) ±50ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth - Current - Supply (Max) 44mA  Ratings - Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)  Height 0.0071" (1.80mm)	Available Frequency Range	170MHz ~ 250MHz
Voltage - Supply  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  Mounting Type  Surface Mount  Package / Case  Size / Dimension  Height  2.5V  2.5V  2.5V  2.5V  425ppm  -40°C ~ 85°C  Supply  -40°C ~ 85°C  Supply  -40°C ~ 85°C  Supply  -40°C ~ 85°C  -	Function	Enable/Disable
Frequency Stability (Total) ±50ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 44mA  Ratings -  Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)  Height 0.071" (1.80mm)	Output	HCSL
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Operating Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  6-SMD, No Lead  Size / Dimension  0.276" L x 0.197" W (7.00mm x 5.00mm)  Height  0.071" (1.80mm)	Frequency Stability	±25ppm
Spread Spectrum Bandwidth  Current - Supply (Max)  Ratings  - Mounting Type Surface Mount  Package / Case 6-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)  Height 0.071" (1.80mm)	Frequency Stability (Total)	±50ppm
Current - Supply (Max)       44mA         Ratings       -         Mounting Type       Surface Mount         Package / Case       6-SMD, No Lead         Size / Dimension       0.276" L x 0.197" W (7.00mm x 5.00mm)         Height       0.071" (1.80mm)	Operating Temperature	-40°C ~ 85°C
Ratings -  Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)  Height 0.071" (1.80mm)	Spread Spectrum Bandwidth	-
Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.071" (1.80mm)	Current - Supply (Max)	44mA
Package / Case       6-SMD, No Lead         Size / Dimension       0.276" L x 0.197" W (7.00mm x 5.00mm)         Height       0.071" (1.80mm)	Ratings	-
Size / Dimension       0.276" L x 0.197" W (7.00mm x 5.00mm)         Height       0.071" (1.80mm)	Mounting Type	Surface Mount
Height 0.071" (1.80mm)	Package / Case	6-SMD, No Lead
	Size / Dimension	0.276" L x 0.197" W (7.00mm x 5.00mm)
Report errors?	Height	0.071" (1.80mm)
		Report errors?

#### **510HBB-CAAG 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.

# **510HBB-CAAG Payment Methods**



















## **510HBB-CAAG Shipping Methods**













If you have any question about 510HBB-CAAG, please do not hesitate to contact us!

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