



## 510QCA-ABAG Information



For Reference Only

Part Number 510QCA-ABAG Manufacturer Silicon Labs

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

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

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.









## 510QCA-ABAG Specifications

| Manufacturer Part Number         510QCA-ABAG           Manufacturer         Silicon Labs           Category         Crystals, Oscillators, Resonators           Programmable Oscillators           Package         6-SMD, No Lead           Series         Si510           Type         XO (Standard)           Programmable Type         Programmed as Request           Available Frequency Range         100kHz ~ 124.999MHz           Function         Enable/Disable           Output         CMOS, Dual (Complimentary)           Voltage - Supply         2.5V           Frequency Stability         ±20ppm           Frequency Stability (Total)         ±30ppm           Operating Temperature         40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         26mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.197" L x 0.126" W (5.00mm x 3.20mm)           Height         0.050" (1.28mm)   |                             |                                       |
|---|-----------------------------|---------------------------------------|
| Category         Crystals, Oscillators, Resonators           Package         6-SMD, No Lead           Series         Si510           Type         XO (Standard)           Programmable Type         Programmed as Request           Available Frequency Range         100kHz ~ 124.999MHz           Function         Enable/Disable           Output         CMOS, Dual (Complimentary)           Voltage - Supply         2.5V           Frequency Stability         ±20ppm           Frequency Stability (Total)         ±30ppm           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         26mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.197" L x 0.126" W (5.00mm x 3.20mm)           Height         0.050" (1.28mm)  | Manufacturer Part Number    | 510QCA-ABAG                           |
| Package         6-SMD, No Lead           Series         Si510           Type         XO (Standard)           Programmable Type         Programmed as Request           Available Frequency Range         100kHz ~ 124.999MHz           Function         Enable/Disable           Output         CMOS, Dual (Complimentary)           Voltage - Supply         2.5V           Frequency Stability         ±20ppm           Frequency Stability (Total)         ±30ppm           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         26mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.197" L x 0.126" W (5.00mm x 3.20mm)           Height         0.050" (1.28mm)   | Manufacturer                | Silicon Labs                          |
| Package         6-SMD, No Lead           Series         Si510           Type         XO (Standard)           Programmable Type         Programmed as Request           Available Frequency Range         100kHz ~ 124.999MHz           Function         Enable/Disable           Output         CMOS, Dual (Complimentary)           Voltage - Supply         2.5V           Frequency Stability         ±20ppm           Frequency Stability (Total)         ±30ppm           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         26mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.197" L x 0.126" W (5.00mm x 3.20mm)           Height         0.050" (1.28mm)   | Category                    | Crystals, Oscillators, Resonators     |
| Series         Si510           Type         XO (Standard)           Programmable Type         Programmed as Request           Available Frequency Range         100kHz ~ 124.999MHz           Function         Enable/Disable           Output         CMOS, Dual (Complimentary)           Voltage - Supply         2.5V           Frequency Stability         ±20ppm           Frequency Stability (Total)         ±30ppm           Operating Temperature         -40°C ~ 85°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         26mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         6-SMD, No Lead           Size / Dimension         0.197" L x 0.126" W (5.00mm x 3.20mm)           Height         0.050" (1.28mm)  |                             | Programmable Oscillators              |
| Type XO (Standard)  Programmable Type Programmed as Request  Available Frequency Range 100kHz ~ 124.999MHz  Function Enable/Disable  Output CMOS, Dual (Complimentary)  Voltage - Supply 2.5V  Frequency Stability ±20ppm  Frequency Stability (Total) ±30ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 26mA  Ratings -  Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height 0.050" (1.28mm)  | Package                     | 6-SMD, No Lead                        |
| Programmable Type Programmed as Request  Available Frequency Range 100kHz ~ 124.999MHz  Function Enable/Disable  Output CMOS, Dual (Complimentary)  Voltage - Supply 2.5V  Frequency Stability ±20ppm  Frequency Stability (Total) ±30ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 26mA  Ratings -  Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height 0.050" (1.28mm)  | Series                      | Si510                                 |
| Available Frequency Range  Function  Enable/Disable  Output  CMOS, Dual (Complimentary)  Voltage - Supply  2.5V  Frequency Stability  ±20ppm  Frequency Stability (Total)  Deprating Temperature  -40°C ~ 85°C  Spread Spectrum Bandwidth  -  Current - Supply (Max)  Ratings  -  Mounting Type  Surface Mount  Package / Case  6-SMD, No Lead  Size / Dimension  0.197" L x 0.126" W (5.00mm x 3.20mm)  Height   | Туре                        | XO (Standard)                         |
| Function Enable/Disable Output CMOS, Dual (Complimentary) Voltage - Supply 2.5V Frequency Stability ±20ppm Frequency Stability (Total) ±30ppm Operating Temperature -40°C ~ 85°C Spread Spectrum Bandwidth - Current - Supply (Max) 26mA Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm) Height 0.050" (1.28mm)  | Programmable Type           | Programmed as Request                 |
| Output CMOS, Dual (Complimentary)  Voltage - Supply 2.5V  Frequency Stability ±20ppm  Frequency Stability (Total) ±30ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 26mA  Ratings -  Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height 0.050" (1.28mm)   | Available Frequency Range   | 100kHz ~ 124.999MHz                   |
| 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  6-SMD, No Lead  Size / Dimension  Height  2.5V  2000  ±20ppm  -40°C ~ 85°C  SPOOD  -40°C ~ 85°C  SPOOD  -40°C ~ 85°C  SUPPLIE TO SUPPLIE | Function                    | Enable/Disable                        |
| Frequency Stability (Total) ±30ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 26mA  Ratings -  Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height 0.050" (1.28mm)   | Output                      | CMOS, Dual (Complimentary)            |
| Frequency Stability (Total) ±30ppm  Operating Temperature -40°C ~ 85°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 26mA  Ratings -  Mounting Type Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height 0.050" (1.28mm)   | Voltage - Supply            | 2.5V                                  |
| 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 0.197" L x 0.126" W (5.00mm x 3.20mm) Height 0.050" (1.28mm)   | Frequency Stability         | ±20ppm                                |
| Spread Spectrum Bandwidth - Current - Supply (Max) 26mA Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm) Height 0.050" (1.28mm)   | Frequency Stability (Total) | ±30ppm                                |
| Current - Supply (Max)  Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm) Height 0.050" (1.28mm)   | Operating Temperature       | -40°C ~ 85°C                          |
| Ratings - Mounting Type Surface Mount Package / Case 6-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm) Height 0.050" (1.28mm)   | Spread Spectrum Bandwidth   | -                                     |
| Mounting Type Surface Mount  Package / Case 6-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm)  Height 0.050" (1.28mm)   | Current - Supply (Max)      | 26mA                                  |
| Package / Case 6-SMD, No Lead Size / Dimension 0.197" L x 0.126" W (5.00mm x 3.20mm) Height 0.050" (1.28mm)   | Ratings                     | -                                     |
| Size / Dimension       0.197" L x 0.126" W (5.00mm x 3.20mm)         Height       0.050" (1.28mm)   | Mounting Type               | Surface Mount                         |
| Height 0.050" (1.28mm)  | Package / Case              | 6-SMD, No Lead                        |
| •   | Size / Dimension            | 0.197" L x 0.126" W (5.00mm x 3.20mm) |
| Report errors?  | Height                      | 0.050" (1.28mm)                       |
|   |                             | Report errors?                        |

## 510QCA-ABAG 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.

## **510QCA-ABAG Payment Methods**





















### 510QCA-ABAG Shipping Methods













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

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