



### **CPPLT1-LT56T Information**



For Reference Only

Part Number CPPLT1-LT56T

Manufacturer Cardinal Components Inc.

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG TTL 3.3V TRI ST 100PPM **Package** 14-DIP, 4 Leads (Full Size, Metal Can)

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.









# **CPPLT1-LT56T Specifications**

| Manufacturer Part Number         CPPLT1-LTS6T           Manufacturer         Cardinal Components Inc.           Category         Crystals, Oscillators, Resonators           Package         14-DIP, 4 Leads (Full Size, Metal Can)           Series         FIPO? CPPL           Type         XO (Standard)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 100MHz           Function         Enable/Disable           Output         TTL           Voltage - Supply         3.3 V           Frequency Stability         ±100ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         25mA           Ratings         -           Mounting Type         Through Hole           Package / Case         14-DIP, 4 Leads (Full Size, Metal Can)           Size / Dimension         0.819" L x 0.520" W (20.80mm x 13.20mm)           Height         0.200" (5.08mm) |                             |                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------|
| Category         Crystals, Oscillators, Resonators           Package         14-DIP, 4 Leads (Full Size, Metal Can)           Series         FIPO? CPPL           Type         XO (Standard)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 100MHz           Function         Enable/Disable           Output         TTL           Voltage - Supply         3.3V           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         25mA           Ratings         -           Mounting Type         Through Hole           Package / Case         14-DIP, 4 Leads (Full Size, Metal Can)           Size / Dimension         0.819" L x 0.520" W (20.80mm x 13.20mm)           Height         0.200" (5.08mm)                                                                                                                                                                | Manufacturer Part Number    | CPPLT1-LT56T                            |
| Package 14-DIP, 4 Leads (Full Size, Metal Can) Series FIPO? CPPL Type XO (Standard) Programmable Type Programmed as Request Available Frequency Range IMHz ~ 100MHz Function Enable/Disable Output TTL Voltage - Supply 3.3V Frequency Stability Total) - Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth - Current - Supply (Max) 25mA Ratings - Mounting Type Through Hole Package / Case 14-DIP, 4 Leads (Full Size, Metal Can) Size / Dimension 0.819" L x 0.520" W (20.80mm x 13.20mm) Height 0.200" (5.08mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Manufacturer                | Cardinal Components Inc.                |
| Package         14-DIP, 4 Leads (Full Size, Metal Can)           Series         FIPO? CPPL           Type         XO (Standard)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 100MHz           Function         Enable/Disable           Output         TTL           Voltage - Supply         3.3V           Frequency Stability         ±100ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         25mA           Ratings         -           Mounting Type         Through Hole           Package / Case         14-DIP, 4 Leads (Full Size, Metal Can)           Size / Dimension         0.819" L x 0.520" W (20.80mm x 13.20mm)           Height         0.200" (5.08mm)                                                                                                                                                                               | Category                    | Crystals, Oscillators, Resonators       |
| Series         FIPO? CPPL           Type         XO (Standard)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 100MHz           Function         Enable/Disable           Output         TTL           Voltage - Supply         3.3V           Frequency Stability         ±100ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         25mA           Ratings         -           Mounting Type         Through Hole           Package / Case         14-DIP, 4 Leads (Full Size, Metal Can)           Size / Dimension         0.819" L x 0.520" W (20.80mm x 13.20mm)           Height         0.200" (5.08mm)                                                                                                                                                                                                                                                |                             | Programmable Oscillators                |
| TypeXO (Standard)Programmable TypeProgrammed as RequestAvailable Frequency Range1MHz ~ 100MHzFunctionEnable/DisableOutputTTLVoltage - Supply3.3VFrequency Stability±100ppmFrequency Stability (Total)-Operating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-Current - Supply (Max)25mARatings-Mounting TypeThrough HolePackage / Case14-DIP, 4 Leads (Full Size, Metal Can)Size / Dimension0.819" L x 0.520" W (20.80mm x 13.20mm)Height0.200" (5.08mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Package                     | 14-DIP, 4 Leads (Full Size, Metal Can)  |
| Programmable Type Programmed as Request  Available Frequency Range 1MHz ~ 100MHz  Function Enable/Disable  Output TTL  Voltage - Supply 3.3V  Frequency Stability ±100ppm  Frequency Stability (Total) - Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth - Current - Supply (Max) 25mA  Ratings - Mounting Type Through Hole  Package / Case 14-DIP, 4 Leads (Full Size, Metal Can)  Size / Dimension 0.819" L x 0.520" W (20.80mm x 13.20mm)  Height 0.200" (5.08mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Series                      | FIPO? CPPL                              |
| Available Frequency Range  IMHz ~ 100MHz  Function  Enable/Disable  Output  TTL  Voltage - Supply  3.3V  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  -  Current - Supply (Max)  Ratings  -  Mounting Type  Through Hole  Package / Case  14-DIP, 4 Leads (Full Size, Metal Can)  Size / Dimension  0.819" L x 0.520" W (20.80mm x 13.20mm)  Height                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Туре                        | XO (Standard)                           |
| Function Enable/Disable Output TTL Voltage - Supply 3.3V Frequency Stability ±100ppm Frequency Stability (Total) - Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth - Current - Supply (Max) 25mA Ratings - Mounting Type Through Hole Package / Case 14-DIP, 4 Leads (Full Size, Metal Can) Size / Dimension 0.200" (5.08mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Programmable Type           | Programmed as Request                   |
| Output TTL  Voltage - Supply 3.3V  Frequency Stability ±100ppm  Frequency Stability (Total) - Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth - Current - Supply (Max) 25mA  Ratings - Mounting Type Through Hole  Package / Case 14-DIP, 4 Leads (Full Size, Metal Can)  Size / Dimension 0.819" L x 0.520" W (20.80mm x 13.20mm)  Height 0.200" (5.08mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Available Frequency Range   | 1MHz ~ 100MHz                           |
| Voltage - Supply  3.3V  Frequency Stability  ±100ppm  Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  25mA  Ratings  - Mounting Type  Through Hole  Package / Case  14-DIP, 4 Leads (Full Size, Metal Can)  Size / Dimension  0.819" L x 0.520" W (20.80mm x 13.20mm)  Height  0.200" (5.08mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Function                    | Enable/Disable                          |
| Frequency Stability (Total)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Output                      | TTL                                     |
| Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  25mA  Ratings  - Mounting Type  Through Hole  Package / Case  14-DIP, 4 Leads (Full Size, Metal Can)  Size / Dimension  0.819" L x 0.520" W (20.80mm x 13.20mm)  Height  0.200" (5.08mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Voltage - Supply            | 3.3V                                    |
| Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 25mA  Ratings -  Mounting Type Through Hole  Package / Case 14-DIP, 4 Leads (Full Size, Metal Can)  Size / Dimension 0.819" L x 0.520" W (20.80mm x 13.20mm)  Height 0.200" (5.08mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Frequency Stability         | ±100ppm                                 |
| Spread Spectrum Bandwidth  Current - Supply (Max)  Ratings  - Mounting Type  Through Hole  Package / Case  14-DIP, 4 Leads (Full Size, Metal Can)  Size / Dimension  0.819" L x 0.520" W (20.80mm x 13.20mm)  Height  0.200" (5.08mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Frequency Stability (Total) | -                                       |
| Current - Supply (Max)  Ratings  - Mounting Type  Through Hole  Package / Case  14-DIP, 4 Leads (Full Size, Metal Can)  Size / Dimension  0.819" L x 0.520" W (20.80mm x 13.20mm)  Height  0.200" (5.08mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Operating Temperature       | -20°C ~ 70°C                            |
| Ratings -  Mounting Type Through Hole  Package / Case 14-DIP, 4 Leads (Full Size, Metal Can)  Size / Dimension 0.819" L x 0.520" W (20.80mm x 13.20mm)  Height 0.200" (5.08mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Spread Spectrum Bandwidth   | -                                       |
| Mounting Type Through Hole Package / Case 14-DIP, 4 Leads (Full Size, Metal Can) Size / Dimension 0.819" L x 0.520" W (20.80mm x 13.20mm) Height 0.200" (5.08mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Current - Supply (Max)      | 25mA                                    |
| Package / Case       14-DIP, 4 Leads (Full Size, Metal Can)         Size / Dimension       0.819" L x 0.520" W (20.80mm x 13.20mm)         Height       0.200" (5.08mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Ratings                     | -                                       |
| Size / Dimension       0.819" L x 0.520" W (20.80mm x 13.20mm)         Height       0.200" (5.08mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Mounting Type               | Through Hole                            |
| Height 0.200" (5.08mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Package / Case              | 14-DIP, 4 Leads (Full Size, Metal Can)  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Size / Dimension            | 0.819" L x 0.520" W (20.80mm x 13.20mm) |
| Report errors?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Height                      | 0.200" (5.08mm)                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                             | Report errors?                          |

#### **CPPLT1-LT56T 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.

### **CPPLT1-LT56T Payment Methods**



















## **CPPLT1-LT56T Shipping Methods**













If you have any question about CPPLT1-LT56T, please do not hesitate to contact us!

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