



### SIT1602BCB2-28E Information



For Reference Only

Part Number SIT1602BCB2-28E

**Manufacturer** SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG LVCMOS 2.8V EN/DS SMD

Package 4-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**

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# **SIT1602BCB2-28E Specifications**

| Manufacturer Part Number         SIT1602BCB2-28E           Manufacturer         SiTIME           Category         Crystals, Oscillators, Resonators           Programmable Oscillators         Programmable Oscillators           Package         4-SMD, No Lead           Series         SiT1602           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         3.57MHz ~ 77.76MHz           Function         Enable/Disable           Output         LVCMOS           Voltage - Supply         2.8V           Frequency Stability         -           Frequency Stability (Total)         ±20ppm, ±25ppm, ±50ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.5mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         0.031" (0.79mm)  |                             |                                       |
|--|-----------------------------|---------------------------------------|
| Category         Crystals, Oscillators, Resonators           Programmable Oscillators           Package         4-SMD, No Lead           Series         SiT1602           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         3.57MHz ~ 77.76MHz           Function         Enable/Disable           Output         LVCMOS           Voltage - Supply         2.8V           Frequency Stability         -           Frequency Stability (Total)         ±20ppm, ±25ppm, ±50ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.5mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         0.031" (0.79mm)  | Manufacturer Part Number    | SIT1602BCB2-28E                       |
| Package         4-SMD, No Lead           Series         SiT1602           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         3.57MHz ~ 77.76MHz           Function         Enable/Disable           Output         LVCMOS           Voltage - Supply         2.8V           Frequency Stability         -           Frequency Stability (Total)         ±20ppm, ±25ppm, ±50ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.5mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         0.031" (0.79mm)  | Manufacturer                | SiTIME                                |
| Package         4-SMD, No Lead           Series         SiT1602           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         3.57MHz ~ 77.76MHz           Function         Enable/Disable           Output         LVCMOS           Voltage - Supply         2.8V           Frequency Stability         -           Frequency Stability (Total)         ±20ppm, ±25ppm, ±50ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.5mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         0.031" (0.79mm)  | Category                    | Crystals, Oscillators, Resonators     |
| Series         SiT1602           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         3.57MHz ~ 77.76MHz           Function         Enable/Disable           Output         LVCMOS           Voltage - Supply         2.8V           Frequency Stability         -           Frequency Stability (Total)         ±20ppm, ±25ppm, ±50ppm           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -           Current - Supply (Max)         4.5mA           Ratings         -           Mounting Type         Surface Mount           Package / Case         4-SMD, No Lead           Size / Dimension         0.126" L x 0.098" W (3.20mm x 2.50mm)           Height         0.031" (0.79mm)   |                             | Programmable Oscillators              |
| Type MEMS (Silicon)  Programmable Type Programmed as Request  Available Frequency Range 3.57MHz ~ 77.76MHz  Function Enable/Disable  Output LVCMOS  Voltage - Supply 2.8V  Frequency Stability  Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -  Current - Supply (Max) 4.5mA  Ratings  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height 0.031" (0.79mm)   | Package                     | 4-SMD, No Lead                        |
| Programmable Type Available Frequency Range 3.57MHz ~ 77.76MHz Function Enable/Disable Output LVCMOS Voltage - Supply 2.8V Frequency Stability - Frequency Stability (Total) Operating Temperature Spread Spectrum Bandwidth - Current - Supply (Max) Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.031" (0.79mm)   | Series                      | SiT1602                               |
| Available Frequency Range  3.57MHz ~ 77.76MHz  Function  Enable/Disable  Output  LVCMOS  Voltage - Supply  2.8V  Frequency Stability  - Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  0.031" (0.79mm)  | Туре                        | MEMS (Silicon)                        |
| Function Enable/Disable Output LVCMOS Voltage - Supply 2.8V Frequency Stability - Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm) Height 0.001" (0.79mm)   | Programmable Type           | Programmed as Request                 |
| Output LVCMOS  Voltage - Supply 2.8V  Frequency Stability -  Frequency Stability (Total) ±20ppm, ±25ppm, ±50ppm Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA  Ratings -  Mounting Type Surface Mount  Package / Case 4-SMD, No Lead  Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height 0.031" (0.79mm)  | Available Frequency Range   | 3.57MHz ~ 77.76MHz                    |
| Voltage - Supply  2.8V  Frequency Stability  | Function                    | Enable/Disable                        |
| Frequency Stability (Total)  Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  Ratings  - Mounting Type  Surface Mount  Package / Case  Size / Dimension  Outling Type  Outling Type  Outling Type  Surface Mount  Outling Type  Ou | Output                      | LVCMOS                                |
| Frequency Stability (Total)  ±20ppm, ±25ppm, ±50ppm  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  - Current - Supply (Max)  4.5mA  Ratings  - Mounting Type  Surface Mount  Package / Case  4-SMD, No Lead  Size / Dimension  0.126" L x 0.098" W (3.20mm x 2.50mm)  Height  0.031" (0.79mm)  | Voltage - Supply            | 2.8V                                  |
| Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm) Height 0.031" (0.79mm)  | Frequency Stability         | -                                     |
| Spread Spectrum Bandwidth - Current - Supply (Max) 4.5mA Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm) Height 0.031" (0.79mm)   | Frequency Stability (Total) | ±20ppm, ±25ppm, ±50ppm                |
| Current - Supply (Max)  Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm) Height 0.031" (0.79mm)  | Operating Temperature       | -20°C ~ 70°C                          |
| Ratings - Mounting Type Surface Mount Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm) Height 0.031" (0.79mm)  | Spread Spectrum Bandwidth   | -                                     |
| Mounting Type Surface Mount  Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm)  Height 0.031" (0.79mm)  | Current - Supply (Max)      | 4.5mA                                 |
| Package / Case 4-SMD, No Lead Size / Dimension 0.126" L x 0.098" W (3.20mm x 2.50mm) Height 0.031" (0.79mm)  | Ratings                     | -                                     |
| Size / Dimension       0.126" L x 0.098" W (3.20mm x 2.50mm)         Height       0.031" (0.79mm)  | Mounting Type               | Surface Mount                         |
| Height 0.031" (0.79mm)   | Package / Case              | 4-SMD, No Lead                        |
|  | Size / Dimension            | 0.126" L x 0.098" W (3.20mm x 2.50mm) |
| D ( 0  | Height                      | 0.031" (0.79mm)                       |
| Report errors?   |                             | Report errors?                        |

#### SIT1602BCB2-28E 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.

### **SIT1602BCB2-28E Payment Methods**



















## SIT1602BCB2-28E Shipping Methods













If you have any question about SIT1602BCB2-28E, please do not hesitate to contact us!

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