



### SIT9002AC-28H25DO Information



For Reference Only

Part Number SIT9002AC-28H25DO

Manufacturer SiTIME

Category Crystals, Oscillators, Resonators

**Programmable Oscillators** 

**Description** OSC PROG LVDS 2.5V 25PPM SMD

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.









# SIT9002AC-28H25DO Specifications

| Manufacturer Part Number         SITIME           Category         Crystals, Oscillators, Resonators           Programmable Oscillators           Package         6-SMD, No Lead           Series         SiT9002           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 220MHz           Function         -           Output         LVDS           Voltage - Supply         2.5V           Frequency Stability         ±25ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -0.50%, Down Spread           Current - Supply (Max)         77mA           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         0.039" (1.00mm)   |                             |                                       |
|--|-----------------------------|---------------------------------------|
| Category         Crystals, Oscillators, Resonators           Package         6-SMD, No Lead           Series         SiT9002           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         IMHz ~ 220MHz           Function         -           Output         LVDS           Voltage - Supply         2.5V           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -0.50%, Down Spread           Current - Supply (Max)         77mA           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         0.039" (1.00mm)   | Manufacturer Part Number    | SIT9002AC-28H25DO                     |
| Package         6-SMD, No Lead           Series         SiT9002           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 220MHz           Function         -           Output         LVDS           Voltage - Supply         2.5V           Frequency Stability         ±25ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -0.50%, Down Spread           Current - Supply (Max)         77mA           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         0.039" (1.00mm)   | Manufacturer                | SiTIME                                |
| Package         6-SMD, No Lead           Series         SiT9002           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 220MHz           Function         -           Output         LVDS           Voltage - Supply         2.5V           Frequency Stability         ±25ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -0.50%, Down Spread           Current - Supply (Max)         77mA           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         0.039" (1.00mm)   | Category                    | Crystals, Oscillators, Resonators     |
| Series         SiT9002           Type         MEMS (Silicon)           Programmable Type         Programmed as Request           Available Frequency Range         1MHz ~ 220MHz           Function         -           Output         LVDS           Voltage - Supply         2.5V           Frequency Stability         ±25ppm           Frequency Stability (Total)         -           Operating Temperature         -20°C ~ 70°C           Spread Spectrum Bandwidth         -0.50%, Down Spread           Current - Supply (Max)         77mA           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         0.039" (1.00mm)  |                             | Programmable Oscillators              |
| Type MEMS (Silicon)  Programmable Type Programmed as Request  Available Frequency Range 1MHz ~ 220MHz  Function -  Output LVDS  Voltage - Supply 2.5V  Frequency Stability + ±25ppm  Frequency Stability (Total) -  Operating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -0.50%, Down Spread  Current - Supply (Max) 77mA  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 0.039" (1.00mm)  | Package                     | 6-SMD, No Lead                        |
| Programmable Type Programmed as Request  Available Frequency Range 1MHz ~ 220MHz  Function - Cutput LVDS  Voltage - Supply 2.5 V  Frequency Stability ±25ppm  Frequency Stability (Total) - Coperating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -0.50%, Down Spread  Current - Supply (Max) 77mA  Ratings - Current - Supply (Max) 2.5 Was a Common Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)  Height 0.00000000000000000000000000000000000  | Series                      | SiT9002                               |
| Available Frequency Range  Function  Output  LVDS  Voltage - Supply  2.5V  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  -0.50%, Down Spread  Current - Supply (Max)  Ratings  -  Mounting Type  Surface Mount  Package / Case  6-SMD, No Lead  Size / Dimension  0.039" (1.00mm)  | Туре                        | MEMS (Silicon)                        |
| Function - Coutput LVDS  Voltage - Supply 2.5 V  Frequency Stability ±25ppm  Frequency Stability (Total) - Coperating Temperature -20°C ~ 70°C  Spread Spectrum Bandwidth -0.50%, Down Spread  Current - Supply (Max) 77mA  Ratings - Curdenty Surface Mount  Package / Case 6-SMD, No Lead  Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm)  Height 0.009" (1.00mm)  | Programmable Type           | Programmed as Request                 |
| OutputLVDSVoltage - Supply2.5VFrequency Stability±25ppmFrequency Stability (Total)-Operating Temperature-20°C ~ 70°CSpread Spectrum Bandwidth-0.50%, Down SpreadCurrent - Supply (Max)77mARatings-Mounting TypeSurface MountPackage / Case6-SMD, No LeadSize / Dimension0.276" L x 0.197" W (7.00mm x 5.00mm)Height0.039" (1.00mm)   | Available Frequency Range   | 1MHz ~ 220MHz                         |
| Voltage - Supply  Frequency Stability  Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  -0.50%, Down Spread  Current - Supply (Max)  77mA  Ratings  -  Mounting Type  Surface Mount  Package / Case  6-SMD, No Lead  Size / Dimension  Height  2.5V  2.5V  525   Supply  -  -0.50% | Function                    | -                                     |
| Frequency Stability (Total)  | Output                      | LVDS                                  |
| Frequency Stability (Total)  Operating Temperature  -20°C ~ 70°C  Spread Spectrum Bandwidth  -0.50%, Down Spread  Current - Supply (Max)  77mA  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  -20°C ~ 70°C  -0.50%, Down Spread  -0.50%, | Voltage - Supply            | 2.5V                                  |
| Operating Temperature -20°C ~ 70°C Spread Spectrum Bandwidth -0.50%, Down Spread Current - Supply (Max) 77mA 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 0.039" (1.00mm)   | Frequency Stability         | ±25ppm                                |
| Spread Spectrum Bandwidth -0.50%, Down Spread  Current - Supply (Max) 77mA  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 0.039" (1.00mm)  | Frequency Stability (Total) | -                                     |
| 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 0.039" (1.00mm)   | Operating Temperature       | -20°C ~ 70°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 0.039" (1.00mm)  | Spread Spectrum Bandwidth   | -0.50%, Down Spread                   |
| 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 0.039" (1.00mm)  | Current - Supply (Max)      | 77mA                                  |
| Package / Case 6-SMD, No Lead Size / Dimension 0.276" L x 0.197" W (7.00mm x 5.00mm) Height 0.039" (1.00mm)  | Ratings                     | -                                     |
| Size / Dimension       0.276" L x 0.197" W (7.00mm x 5.00mm)         Height       0.039" (1.00mm)  | Mounting Type               | Surface Mount                         |
| Height 0.039" (1.00mm)   | Package / Case              | 6-SMD, No Lead                        |
| , ,  | Size / Dimension            | 0.276" L x 0.197" W (7.00mm x 5.00mm) |
| Report errors?   | Height                      | 0.039" (1.00mm)                       |
|  |                             | Report errors?                        |

### SIT9002AC-28H25DO 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.

## SIT9002AC-28H25DO Payment Methods



















## SIT9002AC-28H25DO Shipping Methods













If you have any question about SIT9002AC-28H25DO, please do not hesitate to contact us!

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