

# CY2309CZXC-1T

## CY2309CZXC-1T Information

|                    | Part Number  | CY2309CZXC-1T  |                 |
|--------------------|--------------|--|-----------------|
|                    | Manufacturer | Cypress Semiconductor Corp   | EN 259 EN       |
| Styre helsener.com | Category     | Integrated Circuits (ICs)<br>Clock/Timing - Clock Generators, PLLs,<br>Frequency Synthesizers  |                 |
|                    | Description  | IC CLK ZDB 90UT 133MHZ 16TSSOP   | A STATE         |
|                    | Package      | 16-TSSOP (0.173", 4.40mm Width)  |                 |
| For Reference Only |              | For the pricing/inventory/lead time, please contact<br>us<br>Website: https://www.heisener.com | Request a Quote |
| For Reference Only |              | us   | Request a Quote |

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# CY2309CZXC-1T Specifications

| Manufacturer Part Number CY2309CZXC-1T   Manufacturer Cypress Semiconductor Corp   Category Integrated Circuits (ICs)   Clock/Timing - Clock Generators, PLLs, Frequency Synthesizers   Package 16-TSSOP (0.173", 4.40mm Widh)   Series -   Type Fanout Buffer (Distribution), Zero Delay Buffer   PLL Yes with Bypass   Input LVCMOS, LVTTL   Output LVCMOS   Number of Circuits 1   Ratio - Input:Output 1.9   Differential - Input:Output No/No   Frequency - Max 133.33MHz   Divider/Multiplier No/No   Voltage - Supply 3 V ~ 3.6 V   Operating Temperature 0°C ~ 70°C   Mounting Type Surface Mount   Package / Case 16-TSSOP (0.173", 4.40mm Width) |                             |   |  |  |
|--|-----------------------------|---|--|--|
| CategoryIntegrated Circuits (ICs)Clock/Tining - Clock Generators, PLLs, Frequency SynthesizersPackage16-TSSOP (0.173", 4.40mm Width)Series-TypeFanout Buffer (Distribution), Zero Delay BufferPLLYes with BypassInputLVCMOS, LVTTLOutputLVCMOSNumber of Circuits1Ratio - Input:OutputNo/NoDifferential - Input:OutputNo/NoFrequency - Max13.33MHzOvlage - Supply3 V ~ 3.6 VOutput Type0°C ~ 70°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP   | Manufacturer Part Number    | CY2309CZXC-1T   |  |  |
| Clock/Timing - Clock Generators, PLLs, Frequency SynthesizersPackage16-TSSOP (0.173", 4.40mm Width)Series-TypeFanout Buffer (Distribution), Zero Delay BufferPLLYes with BypassInputLVCMOS, LVTTLOutputLVCMOSNumber of Circuits1Ratio - Input:Output1.9Differential - Input:OutputNo/NoFrequency - Max13.33MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP  | Manufacturer                | Cypress Semiconductor Corp                                    |  |  |
| Package16-TSSOP (0.173", 4.40mm Width)Series-TypeFanout Buffer (Distribution), Zero Delay BufferPLLYes with BypassInputLVCMOS, LVTTLOutputLVCMOSNumber of Circuits1Ratio - Input:Output1.9Differential - Input:OutputNo/NoFrequency - Max3.3.3.MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)   | Category                    | Integrated Circuits (ICs)                                     |  |  |
| Series-TypeFanout Buffer (Distribution), Zero Delay BufferPLLYes with BypassInputLVCMOS, LVTTLOutputLVCMOS, LVTTLOutput1Number of Circuits1Ratio - Input:Output19Differential - Input:OutputNo/NoFrequency - Max33.33MHzOvidage - Supply0°C ~ 70°CVoltage FupplySurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP  |                             | Clock/Timing - Clock Generators, PLLs, Frequency Synthesizers |  |  |
| TypeFanout Buffer (Distribution), Zero Delay BufferPLLYes with BypassInputLVCMOS, LVTTLOutputLVCMOSNumber of Circuits1Ratio - Input: Output19Differential - Input:OutputNo/NoFrequency - Max13.33MHzOvidage - Supply3V ~ 3.6 VOperating TemperatureOver ConcMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP   | Package                     | 16-TSSOP (0.173", 4.40mm Width)                               |  |  |
| PLLYes with BypassPLLYes with BypassInputLVCMOS, LVTTLOutputLVCMOSNumber of Circuits1Ratio - Input:Output1:9Differential - Input:OutputNo/NoFrequency - Max133.33MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP  | Series                      | -   |  |  |
| InputLVCMOS, LVTTLOutputLVCMOSNumber of Circuits1Ratio - Input:Output1.9Differential - Input:OutputNo/NoFrequency - Max133.33MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP  | Туре                        | Fanout Buffer (Distribution), Zero Delay Buffer               |  |  |
| OutputLVCMOSNumber of Circuits1Ratio - Input:Output1:9Differential - Input:OutputNo/NoFrequency - Max133.33MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)   | PLL                         | Yes with Bypass   |  |  |
| Number of Circuits1Ratio - Input:Output1:9Differential - Input:OutputNo/NoFrequency - Max133.33MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP  | Input                       | LVCMOS, LVTTL   |  |  |
| Ratio - Input:Output1:9Differential - Input:OutputNo/NoFrequency - Max133.33MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP   | Output                      | LVCMOS  |  |  |
| Differential - Input:OutputNo/NoFrequency - Max133.33MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP  | Number of Circuits          | 1   |  |  |
| Frequency - Max133.33MHzDivider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP  | Ratio - Input:Output        | 1:9   |  |  |
| Divider/MultiplierNo/NoVoltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP  | Differential - Input:Output | No/No   |  |  |
| Voltage - Supply3 V ~ 3.6 VOperating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP   | Frequency - Max             | 133.33MHz   |  |  |
| Operating Temperature0°C ~ 70°CMounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP  | Divider/Multiplier          | No/No   |  |  |
| Mounting TypeSurface MountPackage / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP   | Voltage - Supply            | 3 V ~ 3.6 V   |  |  |
| Package / Case16-TSSOP (0.173", 4.40mm Width)Supplier Device Package16-TSSOP   | Operating Temperature       | $0^{\circ}\mathrm{C} \sim 70^{\circ}\mathrm{C}$               |  |  |
| Supplier Device Package 16-TSSOP   | Mounting Type               | Surface Mount   |  |  |
|  | Package / Case              | 16-TSSOP (0.173", 4.40mm Width)                               |  |  |
| Report errors  | Supplier Device Package     | 16-TSSOP  |  |  |
|  |                             | Report error  |  |  |

#### CY2309CZXC-1T 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.

## CY2309CZXC-1T Payment Methods





If you have any question about CY2309CZXC-1T, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com