



### **ZXGD3104N8TC Information**



For Reference Only

Part Number ZXGD3104N8TC

Manufacturer Diodes Incorporated

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

DescriptionIC SYNCH MOSFET CNTLR 8SOPackage8-SOIC (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

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



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# **ZXGD3104N8TC Specifications**

| Manufacturer Part NumberZXGD3104N8TCManufacturerDiodes IncorporatedCategoryIntegrated Circuits (ICs)PMIC - Gate DriversPackage8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHigh-Side or Low-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel MOSFETVoltage - Supply5 V ~ 25 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)2.5A, 7AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)480ns, 50nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SOReport errors? |                                      |                               |
|--|--------------------------------------|-------------------------------|
| Category  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  8-SOIC (0.154", 3.90mm Width)  Series  - Driven Configuration  High-Side or Low-Side  Channel Type  Single  Number of Drivers  1  Gate Type  N-Channel MOSFET  Voltage - Supply  5 V ~ 25 V  Logic Voltage - VIL, VIH  - Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  480ns, 50ns  Operating Temperature  Mounting Type  Surface Mount  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package                         | Manufacturer Part Number             | ZXGD3104N8TC                  |
| Package 8-SOIC (0.154", 3.90mm Width)  Series - Driven Configuration High-Side or Low-Side  Channel Type Single  Number of Drivers 1  Gate Type N-Channel MOSFET  Voltage - Supply 5 V ~ 25 V  Logic Voltage - VIL, VIH -  Current - Peak Output (Source, Sink) 2.5A, 7A  Input Type Non-Inverting  High Side Voltage - Max (Bootstrap) -  Rise / Fall Time (Typ) 480ns, 50ns  Operating Temperature -40°C ~ 150°C (TJ)  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  | Manufacturer                         | Diodes Incorporated           |
| Package8-SOIC (0.154", 3.90mm Width)Series-Driven ConfigurationHigh-Side or Low-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel MOSFETVoltage - Supply5 V ~ 25 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)2.5A, 7AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)480ns, 50nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO  | Category                             | Integrated Circuits (ICs)     |
| Series-Driven ConfigurationHigh-Side or Low-SideChannel TypeSingleNumber of Drivers1Gate TypeN-Channel MOSFETVoltage - Supply5 V ~ 25 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)2.5A, 7AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)480ns, 50nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO  |                                      | PMIC - Gate Drivers           |
| Driven Configuration Channel Type Single Number of Drivers 1 Gate Type N-Channel MOSFET Voltage - Supply 5 V ~ 25 V  Logic Voltage - VIL, VIH - Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) 480ns, 50ns Operating Temperature -40°C ~ 150°C (TJ) Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package   | Package                              | 8-SOIC (0.154", 3.90mm Width) |
| Channel TypeSingleNumber of Drivers1Gate TypeN-Channel MOSFETVoltage - Supply5 V ~ 25 VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)2.5A, 7AInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)480ns, 50nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)Supplier Device Package8-SO  | Series                               | -                             |
| Number of Drivers  Gate Type  N-Channel MOSFET  Voltage - Supply  5 V ~ 25 V  Logic Voltage - VIL, VIH  - Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  480ns, 50ns  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  | Driven Configuration                 | High-Side or Low-Side         |
| Gate Type  N-Channel MOSFET  Voltage - Supply  5 V ~ 25 V  Logic Voltage - VIL, VIH  - Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  480ns, 50ns  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  | Channel Type                         | Single                        |
| Voltage - Supply  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  480ns, 50ns  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  | Number of Drivers                    | 1                             |
| Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  A0°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package   | Gate Type                            | N-Channel MOSFET              |
| Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  | Voltage - Supply                     | 5 V ~ 25 V                    |
| Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package   | Logic Voltage - VIL, VIH             | -                             |
| High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  480ns, 50ns  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  | Current - Peak Output (Source, Sink) | 2.5A, 7A                      |
| Rise / Fall Time (Typ)  480ns, 50ns  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package   | Input Type                           | Non-Inverting                 |
| Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SO  | High Side Voltage - Max (Bootstrap)  | -                             |
| Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO  | Rise / Fall Time (Typ)               | 480ns, 50ns                   |
| Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO  | Operating Temperature                | -40°C ~ 150°C (TJ)            |
| Supplier Device Package 8-SO   | Mounting Type                        | Surface Mount                 |
|  | Package / Case                       | 8-SOIC (0.154", 3.90mm Width) |
| Report errors?   | Supplier Device Package              | 8-SO                          |
|  |                                      | Report errors?                |

#### **ZXGD3104N8TC** 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.

## **ZXGD3104N8TC Payment Methods**



















### **ZXGD3104N8TC Shipping Methods**













If you have any question about ZXGD3104N8TC, please do not hesitate to contact us!

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