



## FAN73832MX\_WS Information



For Reference Only

Part Number FAN73832MX\_WS

Manufacturer ON Semiconductor

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC GATE DRIVER HI/LOW SIDE 8SOIC

**Package** 8-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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## FAN73832MX\_WS Specifications

| Manufacturer Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 8-SOIC (0.154", 3.90mm Width) Series - Driven Configuration Half-Bridge Channel Type Synchronous Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 15 V ~ 20 V Logic Voltage - VIL, VIH 1.2V, 2.9V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Rise / Fall Time (Typ) Operating Temperature Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)   |                                      |                               |
|--|--------------------------------------|-------------------------------|
| Category  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  8-SOIC (0.154", 3.90mm Width)  Series  - Driven Configuration  Half-Bridge  Channel Type  Synchronous  Number of Drivers  2  Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  15 V ~ 20 V  Logic Voltage - VIL, VIH  1.2V, 2.9V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)   | Manufacturer Part Number             | FAN73832MX_WS                 |
| Package Packag | Manufacturer                         | ON Semiconductor              |
| Package 8-SOIC (0.154", 3.90mm Width)  Series -  Driven Configuration Half-Bridge  Channel Type Synchronous  Number of Drivers 2  Gate Type IGBT, N-Channel MOSFET  Voltage - Supply 15 V ~ 20 V  Logic Voltage - VIL, VIH 1.2V, 2.9V  Current - Peak Output (Source, Sink) 350mA, 650mA  Input Type Non-Inverting  High Side Voltage - Max (Bootstrap) 600V  Rise / Fall Time (Typ) 50ns, 30ns  Operating Temperature -40°C ~ 150°C (TJ)  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)   | Category                             | Integrated Circuits (ICs)     |
| Series-Driven ConfigurationHalf-BridgeChannel TypeSynchronousNumber of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply15 V ~ 20 VLogic Voltage - VIL, VIH1.2V, 2.9VCurrent - Peak Output (Source, Sink)350mA, 650mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)600VRise / Fall Time (Typ)50ns, 30nsOperating Temperature-40°C ~ 150°C (TJ)Mounting TypeSurface MountPackage / Case8-SOIC (0.154", 3.90mm Width)  |                                      | PMIC - Gate Drivers           |
| Driven Configuration Channel Type Synchronous Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 15 V ~ 20 V Logic Voltage - VIL, VIH 1.2V, 2.9V 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)  | Package                              | 8-SOIC (0.154", 3.90mm Width) |
| Channel Type Synchronous  Number of Drivers 2  Gate Type IGBT, N-Channel MOSFET  Voltage - Supply 15 V ~ 20 V  Logic Voltage - VIL, VIH 1.2V, 2.9V  Current - Peak Output (Source, Sink) 350mA, 650mA  Input Type Non-Inverting  High Side Voltage - Max (Bootstrap) 600V  Rise / Fall Time (Typ) 50ns, 30ns  Operating Temperature -40°C ~ 150°C (TJ)  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)  | Series                               | -                             |
| Number of Drivers  Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  Logic Voltage - VIL, VIH  1.2V, 2.9V  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)   | Driven Configuration                 | Half-Bridge                   |
| Gate Type  IGBT, N-Channel MOSFET  Voltage - Supply  Logic Voltage - VIL, VIH  1.2V, 2.9V  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  IGBT, N-Channel MOSFET  15 V ~ 20 V  1.2V, 2.9V  1.2V, 2.9V  050mA  850mA  Non-Inverting  600V  50ns, 30ns  50ns, 30ns  40°C ~ 150°C (TJ)  Surface Mount   | Channel Type                         | Synchronous                   |
| Voltage - Supply  Logic Voltage - VIL, VIH  1.2V, 2.9V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  600V  Rise / Fall Time (Typ)  50ns, 30ns  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)   | Number of Drivers                    | 2                             |
| Logic Voltage - VIL, VIH  1.2V, 2.9V  Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  600V  Rise / Fall Time (Typ)  50ns, 30ns  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)   | Gate Type                            | IGBT, N-Channel MOSFET        |
| Current - Peak Output (Source, Sink)  Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  600V  Rise / Fall Time (Typ)  50ns, 30ns  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)   | Voltage - Supply                     | 15 V ~ 20 V                   |
| Input Type  Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  50ns, 30ns  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)   | Logic Voltage - VIL, VIH             | 1.2V, 2.9V                    |
| High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  50ns, 30ns  Operating Temperature  -40°C ~ 150°C (TJ)  Mounting Type  Surface Mount  Package / Case  8-SOIC (0.154", 3.90mm Width)  | Current - Peak Output (Source, Sink) | 350mA, 650mA                  |
| Rise / Fall Time (Typ) 50ns, 30ns  Operating Temperature -40°C ~ 150°C (TJ)  Mounting Type Surface Mount  Package / Case 8-SOIC (0.154", 3.90mm Width)   | Input Type                           | Non-Inverting                 |
| Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C (TJ)}$ Mounting Type $\text{Surface Mount}$ Package / Case $8-\text{SOIC } (0.154^{\circ}\text{, } 3.90\text{mm Width})$  | High Side Voltage - Max (Bootstrap)  | 600V                          |
| Mounting Type Surface Mount Package / Case 8-SOIC (0.154", 3.90mm Width)   | Rise / Fall Time (Typ)               | 50ns, 30ns                    |
| Package / Case 8-SOIC (0.154", 3.90mm Width)   | Operating Temperature                | -40°C ~ 150°C (TJ)            |
|  | Mounting Type                        | Surface Mount                 |
| Supplier Device Package 8-SOIC   | Package / Case                       | 8-SOIC (0.154", 3.90mm Width) |
| oupplier Device Lucinige   | Supplier Device Package              | 8-SOIC                        |
| Report errors?   |                                      | Report errors?                |

## FAN73832MX\_WS Guarantees



### **Quality Guarantees**

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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.

## FAN73832MX\_WS Payment Methods



















## FAN73832MX\_WS Shipping Methods













If you have any question about FAN73832MX\_WS, please do not hesitate to contact us!

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