



NCP5109AMNTWG Information



For Reference Only

Part Number NCP5109AMNTWG

Manufacturer ON Semiconductor

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

Description IC DRIVER HI/LO 600V 10DFN

Package 10-VFDFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



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NCP5109AMNTWG Specifications

| Manufacturer Part Number Manufacturer ON Semiconductor Integrated Circuits (ICs) PMIC - Gate Drivers Package 10-VFDFN Exposed Pad Series - Driven Configuration Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2.3V Current - Peak Output (Source, Sink) Input Type High Side Voltage - Max (Bootstrap) Pise / Fall Time (Typ) Sons Sons ON Semiconductor Integrated Circuits (ICs) PMIC - Gate Drivers 10-VFDFN Exposed Pad 20-VFDFN | | |
|--|--------------------------------------|---------------------------|
| Category Integrated Circuits (ICs) PMIC - Gate Drivers Package 10-VFDFN Exposed Pad Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2.3V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) Integrated Circuits (ICs) PMIC - Gate Drivers 10-VFDFN Exposed Pad 10-VFDFN Ex | Manufacturer Part Number | NCP5109AMNTWG |
| PMIC - Gate Drivers Package 10-VFDFN Exposed Pad Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2.3V Current - Peak Output (Source, Sink) 250mA, 500mA Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 200V | Manufacturer | ON Semiconductor |
| Package 10-VFDFN Exposed Pad Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2.3V Current - Peak Output (Source, Sink) 250mA, 500mA Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 200V | Category | Integrated Circuits (ICs) |
| Series - Driven Configuration Half-Bridge Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2.3V Current - Peak Output (Source, Sink) 250mA, 500mA Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 200V | | PMIC - Gate Drivers |
| Driven Configuration Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2.3V Current - Peak Output (Source, Sink) Input Type Non-Inverting Half-Bridge Independent 2 Company 1 10 V ~ 20 V | Package | 10-VFDFN Exposed Pad |
| Channel Type Independent Number of Drivers 2 Gate Type IGBT, N-Channel MOSFET Voltage - Supply 10 V ~ 20 V Logic Voltage - VIL, VIH 0.8V, 2.3V Current - Peak Output (Source, Sink) 250mA, 500mA Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 200V | Series | - |
| Number of Drivers2Gate TypeIGBT, N-Channel MOSFETVoltage - Supply10 V ~ 20 VLogic Voltage - VIL, VIH0.8V, 2.3VCurrent - Peak Output (Source, Sink)250mA, 500mAInput TypeNon-InvertingHigh Side Voltage - Max (Bootstrap)200V | Driven Configuration | Half-Bridge |
| Gate Type IGBT, N-Channel MOSFET Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2.3V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) IGBT, N-Channel MOSFET 10 V ~ 20 V 250WA, 500WA 250WA, 500WA Non-Inverting | Channel Type | Independent |
| Voltage - Supply Logic Voltage - VIL, VIH 0.8V, 2.3V Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 10 V ~ 20 V 250mA, 500mA Non-Inverting | Number of Drivers | 2 |
| Logic Voltage - VIL, VIH Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 0.8V, 2.3V 250mA, 500mA Non-Inverting | Gate Type | IGBT, N-Channel MOSFET |
| Current - Peak Output (Source, Sink) Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 250mA, 500mA Non-Inverting 200V | Voltage - Supply | 10 V ~ 20 V |
| Input Type Non-Inverting High Side Voltage - Max (Bootstrap) 200V | Logic Voltage - VIL, VIH | 0.8V, 2.3V |
| High Side Voltage - Max (Bootstrap) 200V | Current - Peak Output (Source, Sink) | 250mA, 500mA |
| | Input Type | Non-Inverting |
| Rise / Fall Time (Tyn) | High Side Voltage - Max (Bootstrap) | 200V |
| Nise / Latt Time (13p) | Rise / Fall Time (Typ) | 85ns, 35ns |
| Operating Temperature $-40^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TJ)}$ | Operating Temperature | -40°C ~ 125°C (TJ) |
| Mounting Type Surface Mount | Mounting Type | Surface Mount |
| Package / Case 10-VFDFN Exposed Pad | Package / Case | 10-VFDFN Exposed Pad |
| Supplier Device Package 10-DFN (3x3) | Supplier Device Package | 10-DFN (3x3) |
| Report errors? | | Report errors? |

NCP5109AMNTWG 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.

NCP5109AMNTWG Payment Methods





















NCP5109AMNTWG Shipping Methods













If you have any question about NCP5109AMNTWG, please do not hesitate to contact us!

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