



### NCV57001DWR2G Information

Heisener.com

Part Number NCV57001DWR2G

Manufacturer ON Semiconductor

Category Integrated Circuits (ICs)
PMIC - Gate Drivers

**Description** IC IGBT GATE DRIVER

**Package** 16-SOIC (0.295", 7.50mm Width)

For the pricing/inventory/lead time, please contact

us

For Reference Only

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



Request a Quote

# **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.









## NCV57001DWR2G Specifications

Manufacturer Part NumberNCV57001DWR2GManufacturerON SemiconductorCategoryIntegrated Circuits (ICs)Package16-SOIC (0.295", 7.50mm Width)SeriesAutomotive, AEC-Q100Driven ConfigurationHalf-BridgeChannel TypeSingleNumber of Drivers1Gate TypeIGBTVoltage - Supply24VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)7.8A, 7.1AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)10ns, 15nsOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC		
Category  Integrated Circuits (ICs)  PMIC - Gate Drivers  Package  16-SOIC (0.295", 7.50mm Width)  Series  Automotive, AEC-Q100  Driven Configuration  Half-Bridge  Channel Type  Single  Number of Drivers  1 Gate Type  IGBT  Voltage - Supply  Logic Voltage - VIL, VIH  - Current - Peak Output (Source, Sink)  Input Type  Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  Au°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Manufacturer Part Number	NCV57001DWR2G
Package 16-SOIC (0.295", 7.50mm Width)  Series Automotive, AEC-Q100  Driven Configuration Half-Bridge  Channel Type Single  Number of Drivers 1  Gate Type IGBT  Voltage - Supply 24V  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink) 7.8A, 7.1A  Input Type Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap) - Rise / Fall Time (Typ) 10ns, 15ns  Operating Temperature -40°C ~ 125°C (TA)  Mounting Type Surface Mount  Package / Case 16-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Manufacturer	ON Semiconductor
Package16-SOIC (0.295", 7.50mm Width)SeriesAutomotive, AEC-Q100Driven ConfigurationHalf-BridgeChannel TypeSingleNumber of Drivers1Gate TypeIGBTVoltage - Supply24VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)7.8A, 7.1AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)10ns, 15nsOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Category	Integrated Circuits (ICs)
Series Automotive, AEC-Q100  Driven Configuration Half-Bridge  Channel Type Single  Number of Drivers 1  Gate Type IGBT  Voltage - Supply 24V  Logic Voltage - VIL, VIH -  Current - Peak Output (Source, Sink) 7.8A, 7.1A  Input Type Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap) -  Rise / Fall Time (Typ) 10ns, 15ns  Operating Temperature -40°C ~ 125°C (TA)  Mounting Type Surface Mount  Package / Case 16-SOIC (0.295", 7.50mm Width)  Supplier Device Package		PMIC - Gate Drivers
Driven ConfigurationHalf-BridgeChannel TypeSingleNumber of Drivers1Gate TypeIGBTVoltage - Supply24VLogic Voltage - VIL, VIH-Current - Peak Output (Source, Sink)7.8A, 7.1AInput TypeInverting, Non-InvertingHigh Side Voltage - Max (Bootstrap)-Rise / Fall Time (Typ)10ns, 15nsOperating Temperature-40°C ~ 125°C (TA)Mounting TypeSurface MountPackage / Case16-SOIC (0.295", 7.50mm Width)Supplier Device Package16-SOIC	Package	16-SOIC (0.295", 7.50mm Width)
Channel Type  Number of Drivers  1  Gate Type  IGBT  Voltage - Supply  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  40°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Series	Automotive, AEC-Q100
Number of Drivers  Gate Type  IGBT  Voltage - Supply  Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Driven Configuration	Half-Bridge
Gate Type IGBT  Voltage - Supply 24V  Logic Voltage - VIL, VIH -  Current - Peak Output (Source, Sink) 7.8A, 7.1A  Input Type Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap) -  Rise / Fall Time (Typ) 10ns, 15ns  Operating Temperature -40°C ~ 125°C (TA)  Mounting Type Surface Mount  Package / Case 16-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Channel Type	Single
Voltage - Supply  Logic Voltage - VIL, VIH  - Current - Peak Output (Source, Sink)  Input Type  Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap)  - Rise / Fall Time (Typ)  Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Number of Drivers	1
Logic Voltage - VIL, VIH  Current - Peak Output (Source, Sink)  Input Type  Inverting, Non-Inverting  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  10ns, 15ns  Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Gate Type	IGBT
Current - Peak Output (Source, Sink)  7.8A, 7.1A  Input Type  Inverting, Non-Inverting	Voltage - Supply	24V
Input Type  High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  10ns, 15ns  Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Logic Voltage - VIL, VIH	-
High Side Voltage - Max (Bootstrap)  Rise / Fall Time (Typ)  10ns, 15ns  Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Current - Peak Output (Source, Sink)	7.8A, 7.1A
Rise / Fall Time (Typ)  10ns, 15ns  Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width)  Supplier Device Package	Input Type	Inverting, Non-Inverting
Operating Temperature  -40°C ~ 125°C (TA)  Mounting Type  Surface Mount  Package / Case  16-SOIC (0.295", 7.50mm Width)  Supplier Device Package  16-SOIC	High Side Voltage - Max (Bootstrap)	-
Mounting Type Surface Mount Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Rise / Fall Time (Typ)	10ns, 15ns
Package / Case 16-SOIC (0.295", 7.50mm Width) Supplier Device Package 16-SOIC	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package 16-SOIC	Mounting Type	Surface Mount
	Package / Case	16-SOIC (0.295", 7.50mm Width)
Report errors?	Supplier Device Package	16-SOIC
		Report errors?

### NCV57001DWR2G 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.

# NCV57001DWR2G Payment Methods



















### NCV57001DWR2G Shipping Methods













If you have any question about NCV57001DWR2G, please do not hesitate to contact us!

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