



### **VNS3NV04PTR-E Information**



For Reference Only

Part Number VNS3NV04PTR-E

Manufacturer STMicroelectronics

Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

DescriptionIC MOSFET OMNIFET II 8-SOICPackage8-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



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.









# **VNS3NV04PTR-E Specifications**

Category  Integrated Circuits (ICs)  PMIC - Power Distribution Switches, Load Drivers  Package  8-SOIC (0.154", 3.90mm Width)  Series  OMNIFET II?, VIPower?  Switch Type  General Purpose  Number of Outputs  1 Ratio - Input:Output  1:1  Output Configuration  Low Side  Output Type  N-Channel  Interface  On/Off  Voltage - Load  36V (Max)  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  Rds On (Typ)  120 mOhm (Max)  Input Type  Non-Inverting  Features  - Fault Protection  Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature		
Category         Integrated Circuits (ICs)           PMIC - Power Distribution Switches, Load Drivers           Package         8-SOIC (0.154", 3.90mm Width)           Series         OMNIFET II?, VIPower?           Switch Type         General Purpose           Number of Outputs         1           Ratio - Input:Output         1:1           Output Configuration         Low Side           Output Type         N-Channel           Interface         On/Off           Voltage - Load         36V (Max)           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         3.5A           Rds On (Typ)         120 mOhm (Max)           Input Type         Non-Inverting           Features         -           Fault Protection         Current Limiting (Fixed), Over Temperature, Over Voltage           Operating Temperature         -40°C ~ 150°C (TJ)           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SO	Manufacturer Part Number	VNS3NV04PTR-E
PMIC - Power Distribution Switches, Load Drivers           Package         8-SOIC (0.154", 3.90mm Width)           Series         OMNIFET II?, VIPower?           Switch Type         General Purpose           Number of Outputs         1           Ratio - Input:Output         1:1           Output Configuration         Low Side           Output Type         N-Channel           Interface         On/Off           Voltage - Load         36V (Max)           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         3.5A           Rds On (Typ)         120 mOhm (Max)           Input Type         Non-Inverting           Features         -           Fault Protection         Current Limiting (Fixed), Over Temperature, Over Voltage           Operating Temperature         -40°C ~ 150°C (TJ)           Package / Case         8-SOIC (0.154", 3.90mm Width)           Supplier Device Package         8-SO	Manufacturer	STMicroelectronics
Package 8-SOIC (0.154", 3.90mm Width)  Series OMNIFET II?, VIPower?  Switch Type General Purpose  Number of Outputs 1:1  Ratio - Input:Output 1:1  Output Configuration Low Side  Output Type N-Channel  Interface On/Off  Voltage - Load 36V (Max)  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 3.5A  Rds On (Typ) 120 mOhm (Max)  Input Type Non-Inverting  Features -  Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature -40°C ~ 150°C (TJ)  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Category	Integrated Circuits (ICs)
Series OMNIFET II?, VIPower?  Switch Type General Purpose  Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration Low Side  Output Type N-Channel Interface On/Off  Voltage - Load 36V (Max)  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 3.5A  Rds On (Typ) 120 mOhm (Max)  Input Type Non-Inverting  Features -  Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature -40°C ~ 150°C (TJ)  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SO		PMIC - Power Distribution Switches, Load Drivers
Switch Type General Purpose  Number of Outputs 1 Ratio - Input:Output 1:1 Output Configuration Low Side  Output Type N-Channel Interface On/Off  Voltage - Load 36V (Max)  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 3.5A  Rds On (Typ) 120 mOhm (Max)  Input Type Non-Inverting  Features -  Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ)  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Package	8-SOIC (0.154", 3.90mm Width)
Number of Outputs  Ratio - Input:Output  1:1  Output Configuration  Low Side  Output Type  N-Channel  Interface  On/Off  Voltage - Load  36V (Max)  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  3.5A  Rds On (Typ)  120 mOhm (Max)  Input Type  Non-Inverting  Features  Fault Protection  Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Series	OMNIFET II?, VIPower?
Ratio - Input:Output Output Configuration Low Side Output Type N-Channel Interface On/Off Voltage - Load Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) Rds On (Typ) 120 mOhm (Max) Input Type Non-Inverting Features Fault Protection Output CMax Current Limiting (Fixed), Over Temperature, Over Voltage Operating Temperature Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package  1:1  Low Side N-Channel N-Channel Non-Ghet Non-Ghet Non-Ghet Non-Ghet Non-Ghet Non-Ghet Non-Ghet Non-Inverting Non-Inverting Supplier Device Package 8-SOIC (0.154", 3.90mm Width)	Switch Type	General Purpose
Output Configuration  Output Type  N-Channel  Interface  On/Off  Voltage - Load  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  Rds On (Typ)  120 mOhm (Max)  Input Type  Non-Inverting  Features  - Fault Protection  Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package	Number of Outputs	1
Output Type N-Channel Interface On/Off  Voltage - Load 36V (Max)  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 3.5A  Rds On (Typ) 120 mOhm (Max)  Input Type Non-Inverting  Features -  Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature -40°C ~ 150°C (TJ)  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SO	Ratio - Input:Output	1:1
Interface On/Off  Voltage - Load 36V (Max)  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 3.5A  Rds On (Typ) 120 mOhm (Max)  Input Type Non-Inverting  Features - Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature -40°C ~ 150°C (TJ)  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SO	Output Configuration	Low Side
Voltage - Load  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  3.5A  Rds On (Typ)  120 mOhm (Max)  Input Type  Non-Inverting  Features  - Fault Protection  Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SO	Output Type	N-Channel
Voltage - Supply (Vcc/Vdd)  Current - Output (Max)  3.5A  Rds On (Typ)  120 mOhm (Max)  Input Type  Non-Inverting  Features  - Fault Protection  Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SO	Interface	On/Off
Current - Output (Max)  Rds On (Typ)  120 mOhm (Max)  Input Type  Non-Inverting  Features  - Fault Protection  Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SO	Voltage - Load	36V (Max)
Rds On (Typ)  120 mOhm (Max)  Input Type  Non-Inverting  Features  - Fault Protection  Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SO	Voltage - Supply (Vcc/Vdd)	Not Required
Input Type Non-Inverting  Features -  Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature -40°C ~ 150°C (TJ)  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SO	Current - Output (Max)	3.5A
Features - Current Limiting (Fixed), Over Temperature, Over Voltage Operating Temperature -40°C ~ 150°C (TJ) Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO	Rds On (Typ)	120 mOhm (Max)
Fault Protection  Current Limiting (Fixed), Over Temperature, Over Voltage  -40°C ~ 150°C (TJ)  Package / Case  8-SOIC (0.154", 3.90mm Width)  Supplier Device Package  8-SO	Input Type	Non-Inverting
Operating Temperature -40°C ~ 150°C (TJ)  Package / Case 8-SOIC (0.154", 3.90mm Width)  Supplier Device Package 8-SO	Features	-
Package / Case 8-SOIC (0.154", 3.90mm Width) Supplier Device Package 8-SO	Fault Protection	Current Limiting (Fixed), Over Temperature, Over Voltage
Supplier Device Package 8-SO	Operating Temperature	$-40^{\circ}\text{C} \sim 150^{\circ}\text{C} \text{ (TJ)}$
	Package / Case	8-SOIC (0.154", 3.90mm Width)
Report errors?	Supplier Device Package	8-SO
		Report errors?

#### **VNS3NV04PTR-E 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.

### **VNS3NV04PTR-E Payment Methods**



















# **VNS3NV04PTR-E Shipping Methods**













If you have any question about VNS3NV04PTR-E, please do not hesitate to contact us!

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