



#### **VNP14N04 Information**



For Reference Only

Part Number VNP14N04

Manufacturer STMicroelectronics

Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

**Description** MOSFET N-CH 42V 14A TO-220

Package TO-220-3

For the pricing/inventory/lead time, please contact

us

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



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## **VNP14N04 Specifications**

Manufacturer Part Number         VNPI4N04           Manufacturer         STMicroelectronics           Category         Integrated Circuits (ICs)           Package         TO-220-3           Series         OMNIFET?, 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         35V (Max)           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         10A           Rds On (Typ)         70 mOhm (Max)           Input Type         Non-Inverting           Features         -           Features         -           Features         -           Feature Feature         -           Operating Temperature         -           Operating Temperature         -           Package / Case         TO-220-3           Supplier Device Package         TO-220AB		
CategoryIntegrated Circuits (ICs)PackageTO-220-3SeriesOMNIFET?, VIPower?Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load35V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)10ARds On (Typ)70 mOhm (Max)Input TypeNon-InvertingFeatures-Fault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-Package / CaseTO-220-3Supplier Device PackageTO-220AB	Manufacturer Part Number	VNP14N04
Package TO-220-3 Series OMNIFET?, VIPower? Switch Type General Purpose Number of Outputs 1:1 Output Configuration Low Side On/Off Voltage - Load On/Off Voltage - Load Sty (Max) Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 10A Rds On (Typ) 70 mOhm (Max) Input Type Non-Inverting Features - Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage Operating Temperature Package / Case TO-220AB	Manufacturer	STMicroelectronics
Package         TO-220-3           Series         OMNIFET?, 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         35V (Max)           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         10A           Rds On (Typ)         70 mOhm (Max)           Input Type         Non-Inverting           Features         -           Fault Protection         Current Limiting (Fixed), Over Temperature, Over Voltage           Operating Temperature         -           Package / Case         TO-220-3           Supplier Device Package         TO-220AB	Category	Integrated Circuits (ICs)
Series         OMNIFET?, 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         35V (Max)           Voltage - Supply (Vcc/Vdd)         Not Required           Current - Output (Max)         10A           Rds On (Typ)         70 mOhm (Max)           Input Type         Non-Inverting           Features         -           Fault Protection         Current Limiting (Fixed), Over Temperature, Over Voltage           Operating Temperature         -           Package / Case         TO-220-3           Supplier Device Package         TO-220AB		PMIC - Power Distribution Switches, Load Drivers
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Output Configuration  Output Type  N-Channel  Interface  On/Off  Voltage - Load  35V (Max)  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  Input Type  Non-Inverting  Features  Fault Protection  Output Configuration  Low Side  N-Channel  Non-Inverting  Fixed), Over Temperature, Over Voltage  Operating Temperature  Package / Case  TO-220-3  Supplier Device Package  To-220AB	Number of Outputs	1
Output TypeN-ChannelInterfaceOn/OffVoltage - Load35V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)10ARds On (Typ)70 mOhm (Max)Input TypeNon-InvertingFeatures-Fault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-Package / CaseTO-220-3Supplier Device PackageTO-220AB	Ratio - Input:Output	1:1
Interface On/Off Voltage - Load 35V (Max)  Voltage - Supply (Vcc/Vdd) Not Required  Current - Output (Max) 10A  Rds On (Typ) 70 mOhm (Max)  Input Type Non-Inverting  Features - Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature - Package / Case TO-220-3  Supplier Device Package TO-220AB	Output Configuration	Low Side
Voltage - Load  Voltage - Supply (Vcc/Vdd)  Not Required  Current - Output (Max)  Rds On (Typ)  70 mOhm (Max)  Input Type  Non-Inverting  Features  - Fault Protection  Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature  Package / Case  TO-220-3  Supplier Device Package  TO-220AB	Output Type	N-Channel
Voltage - Supply (Vcc/Vdd)  Current - Output (Max)  Rds On (Typ)  70 mOhm (Max)  Input Type  Non-Inverting  Features  - Fault Protection  Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature  Package / Case  TO-220-3  Supplier Device Package  TO-220AB	Interface	On/Off
Current - Output (Max)  Rds On (Typ)  70 mOhm (Max)  Input Type  Non-Inverting  Features  - Fault Protection  Operating Temperature  Operating Temperature  Package / Case  TO-220-3  Supplier Device Package  10A  70 mOhm (Max)  Non-Inverting  Current Limiting (Fixed), Over Temperature, Over Voltage  TO-220-3  TO-220AB	Voltage - Load	35V (Max)
Rds On (Typ) 70 mOhm (Max)  Input Type Non-Inverting  Features - Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature - Package / Case TO-220-3  Supplier Device Package TO-220AB	Voltage - Supply (Vcc/Vdd)	Not Required
Input Type Non-Inverting  Features - Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage Operating Temperature - Package / Case TO-220-3 Supplier Device Package TO-220AB	Current - Output (Max)	10A
Features - Current Limiting (Fixed), Over Temperature, Over Voltage Operating Temperature - Package / Case TO-220-3 Supplier Device Package TO-220AB	Rds On (Typ)	70 mOhm (Max)
Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage  Operating Temperature  Package / Case TO-220-3  Supplier Device Package TO-220AB	Input Type	Non-Inverting
Operating Temperature - Package / Case TO-220-3 Supplier Device Package TO-220AB	Features	-
Package / Case TO-220-3 Supplier Device Package TO-220AB	Fault Protection	Current Limiting (Fixed), Over Temperature, Over Voltage
Supplier Device Package TO-220AB	Operating Temperature	-
	Package / Case	TO-220-3
Report errors?	Supplier Device Package	TO-220AB
		Report errors?

#### **VNP14N04 Guarantees**



#### **Quality Guarantees**

We provide 90 days warranty. \*

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