

## NCV8405STT1G

### **NCV8405STT1G Information**

New Withelsenter Contr	 NCV8405STT1G ON Semiconductor Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers IC DRIVER LOW SIDE SOT-223-4 TO-261-4, TO-261AA 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



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## NCV8405STT1G Specifications

Manufacturer ON Semiconductor   Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers   Package TO-261-4, TO-261AA   Series Automotive, AEC-Q101   Switch Type General Purpose   Number of Outputs 1   Ratio - Input:Output 1:1   Output Configuration Low Side   Output Type N-Channel   Voltage - Load 42V (Max)   Voltage - Supply (Vcc/Vdd) Not Required   Rds On (Typ) 90 mOhm   Input Type Non-Inverting   Features Auto Restart   Features Auto Restart   Features Auto Restart   Features Auto Restart   Package / Case TO-261-4, TO-261AA	_	
CategoryIntegrated Circuits (ICs)PMIC - Power Distribution Switches, Load DriversPackageTO-261-4, TO-261AASeriesAutomotive, AEC-Q101Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeN-ChannelNordeg - Load42V (Max)Voltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)6ARds On (Typ)90 mOhmInput TypeNon-InvertingFeaturesAuto RestartFautresCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CaseSOT-223	Manufacturer Part Number	NCV8405STT1G
PMIC - Power Distribution Switches, Load DriversPackageTO-261-4, TO-261AASeriesAutomotive, AEC-Q101Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeN-ChannelOutput TypeOn/OffVoltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)6ARds On (Typ)90 mOhmInput TypeNon-InvertingFeaturesAuto RestartFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CaseSOT-223	Manufacturer	ON Semiconductor
PackageTO-261-4, TO-261AASeriesAutomotive, AEC-Q101Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)6ARds On (Typ)90 mOhmInput TypeNon-InvertingFeaturesAuto RestartFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature40°C ~ 150°C (TJ)Package / CaseSOT-223	Category	Integrated Circuits (ICs)
SeriesAutomotive, AEC-Q101Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeN-ChannelOutput TypeOn/OffVoltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)6ARds On (Typ)90 mOhmInput TypeNon-InvertingFeaturesAuto RestartFaut Protection-Current Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CaseSUT-223		PMIC - Power Distribution Switches, Load Drivers
Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeN-ChannelOutput TypeOn/OffVoltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)6ARds On (Typ)90 mOhmInput TypeNon-InvertingFeaturesAuto RestartFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature40°C ~ 150°C (TJ)Package / CaseSOT-223	Package	TO-261-4, TO-261AA
Number of Outputs1Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeN-ChannelOutput TypeOn/OffVoltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)6ARds On (Typ)90 mOhmInput TypeNon-InvertingFeaturesAuto RestartFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature40°C ~ 150°C (TJ)Package / CaseSOT-223	Series	Automotive, AEC-Q101
Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeN-ChannelOutput TypeOn/OffInterfaceOn/OffVoltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)6ARds On (Typ)90 mOhmInput TypeNon-InvertingFeaturesAuto RestartFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CaseSOT-223	Switch Type	General Purpose
Output ConfigurationLow SideOutput TypeN-ChannelOutput TypeOn/OffInterfaceOn/OffVoltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)6ARds On (Typ)90 mOhmInput TypeNon-InvertingFeaturesAuto RestartFault Protection-40°C ~ 150°C (TJ)Operating TemperatureFO-261-4, TO-261AASupplier Device PackageSOT-223	Number of Outputs	1
Output TypeN-ChannelInterfaceOn/OffVoltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)6ARds On (Typ)90 mOhmInput TypeNon-InvertingFeaturesAuto RestartFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Ratio - Input:Output	1:1
InterfaceOn/OffVoltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)6ARds On (Typ)90 mOhmInput TypeNon-InvertingFeaturesAuto RestartFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CaseSOT-223	Output Configuration	Low Side
Voltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)6ARds On (Typ)90 mOhmInput TypeNon-InvertingFeaturesAuto RestartFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Output Type	N-Channel
Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)6ARds On (Typ)90 mOhmInput TypeNon-InvertingInput TypeNon-InvertingFeaturesAuto RestartFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Interface	On/Off
Current - Output (Max)6ARds On (Typ)90 mOhmInput TypeNon-InvertingFeaturesAuto RestartFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Voltage - Load	42V (Max)
Rds On (Typ)90 mOhmInput TypeNon-InvertingFeaturesAuto RestartFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Voltage - Supply (Vcc/Vdd)	Not Required
Input TypeNon-InvertingInput TypeAuto RestartFeaturesAuto RestartFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Current - Output (Max)	6A
FeaturesAuto RestartFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Rds On (Typ)	90 mOhm
Fault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-40°C ~ 150°C (TJ)Package / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Input Type	Non-Inverting
Operating Temperature-40°C ~ 150°C (TJ)Package / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Features	Auto Restart
Package / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Fault Protection	Current Limiting (Fixed), Over Temperature, Over Voltage
Supplier Device Package SOT-223	Operating Temperature	-40°C ~ 150°C (TJ)
	Package / Case	TO-261-4, TO-261AA
Report errors?	Supplier Device Package	SOT-223
		Report error

### NCV8405STT1G 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 EUARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

## NCV8405STT1G Payment Methods



## NCV8405STT1G Shipping Methods



If you have any question about NCV8405STT1G, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com