

NIF5003NT3G

NIF5003NT3G Information

Hanwihelsener.com	Part Number Manufacturer Category Description Package	NIF5003NT3G ON Semiconductor Integrated Circuits (ICs) PMIC - Power Distribution Switches, Load Drivers IC FET SGL N-CHAN 14A 42V SOT223 TO-261-4, TO-261AA For the pricing/inventory/lead time, please contact	
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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NIF5003NT3G Specifications

ManufacturerON SemiconductorCategoryIntegrated Circuits (ICs)PMIC - Power Distribution Switches, Load DriversPackageTO-261-4, TO-261AASeriesHDPlus?Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeN-ChannelNordff42V (Max)Voltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)14ARds On (Typ)S3 mOhmInput TypeNon-InvertingFeaturesAuto Restart, Slew Rate ControlledFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-55°C ~ 150°C (TJ)Package / CaseTO-2614, TO-261AA		
CategoryIntegrated Circuits (ICs)PMIC - Power Distribution Switches, Load DriversPackageTO-2614, TO-261AASeriesHDPlus?Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeN-ChannelNumber - Supply (Vcc/Vdd)Not RequiredVoltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredRation TypeSimohimInput TypeSimohimSeriesAuto Restart, Slew Rate ControlledFeaturesCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature5°C ~ 15°C (TJ)Package / CaseSOT-223	Manufacturer Part Number	NIF5003NT3G
PMIC - Power Distribution Switches, Load DriversPackageTO-261-4, TO-261AASeriesHDPlus?Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)14ARds On (Typ)S3 mOhmInput TypeNon-InvertingFeaturesAuto Restart, Slew Rate ControlledFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-55°C ~ 150°C (TJ)Package / CaseSOT-223	Manufacturer	ON Semiconductor
PackageTO-261-4, TO-261AASeriesHDPlus?Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)14ARds On (Typ)S3 mOhmInput TypeNon-InvertingFeaturesAuto Restart, Slew Rate ControlledFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-55°C ~ 150°C (TJ)Package / CaseSOT-223	Category	Integrated Circuits (ICs)
SeriesHDPlus?Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeN-ChannelOutput TypeOn/OffVoltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)14ARds On (Typ)S3 mOhmInput TypeNon-InvertingFeaturesAuto Restart, Slew Rate ControlledFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-55°C ~ 150°C (TJ)Package / CaseS0T-223		PMIC - Power Distribution Switches, Load Drivers
Switch TypeGeneral PurposeNumber of Outputs1Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeN-ChannelInterfaceOn/OffVoltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)14ARds On (Typ)S3 mOhmInput TypeNon-InvertingFeaturesAuto Restart, Slew Rate ControlledPackage / Case50°C ~ 150°C (TJ)Package / CaseS0T-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)14ARds On (Typ)S3 mOhmInput TypeNon-InvertingFeaturesAuto Restart, Slew Rate ControlledFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating TemperatureTO-261-4, TO-261AASupplier Device PackageSOT-223	Series	HDPlus?
Ratio - Input:Output1:1Output ConfigurationLow SideOutput TypeN-ChannelOutput TypeOn/OffVoltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)14ARds On (Typ)S3 mOhmInput TypeNon-InvertingFeaturesAuto Restart, Slew Rate ControlledFeaturesCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-55°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)14ARds On (Typ)53 mOhmInput TypeNon-InvertingFeaturesAuto Restart, Slew Rate ControlledFault Protection-55°C ~ 150°C (TJ)Operating Temperature-55°C ~ 150°C (TJ)Package / CaseSOT-223	Number of Outputs	1
Output TypeN-ChannelInterfaceOn/OffVoltage - Load42V (Max)Voltage - Supply (Vcc/Vdd)Not RequiredCurrent - Output (Max)14ARds On (Typ)53 mOhmInput TypeNon-InvertingFeaturesAuto Restart, Slew Rate ControlledFeaturesCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-55°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)14ARds On (Typ)53 mOhmInput TypeNon-InvertingFeaturesAuto Restart, Slew Rate ControlledFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-55°C ~ 150°C (TJ)Package / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Output Configuration	Low Side
Voltage - Load42V (Max)Voltage - Supply (Vcc/Vd0)Not RequiredCurrent - Output (Max)14ARds On (Typ)53 mOhmInput TypeNon-InvertingFeaturesAuto Restart, Slew Rate ControlledFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-55°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)14ARds On (Typ)53 mOhmInput TypeNon-InvertingInput TypeNon-InvertingFeaturesAuto Restart, Slew Rate ControlledFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-55°C ~ 150°C (TJ)Package / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Interface	On/Off
Current - Output (Max)14ARds On (Typ)53 mOhmInput TypeNon-InvertingFeaturesAuto Restart, Slew Rate ControlledFeaturesCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-55°C ~ 150°C (TJ)Package / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Voltage - Load	42V (Max)
Rds On (Typ)53 mOhmInput TypeNon-InvertingFeaturesAuto Restart, Slew Rate ControlledFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-55°C ~ 150°C (TJ)Package / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Voltage - Supply (Vcc/Vdd)	Not Required
Input TypeNon-InvertingInput TypeAuto Restart, Slew Rate ControlledFeaturesAuto Restart, Slew Rate ControlledFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-55°C ~ 150°C (TJ)Package / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Current - Output (Max)	14A
FeaturesAuto Restart, Slew Rate ControlledFault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-55°C ~ 150°C (TJ)Package / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Rds On (Typ)	53 mOhm
Fault ProtectionCurrent Limiting (Fixed), Over Temperature, Over VoltageOperating Temperature-55°C ~ 150°C (TJ)Package / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Input Type	Non-Inverting
Operating Temperature-55°C ~ 150°C (TJ)Package / CaseTO-261-4, TO-261AASupplier Device PackageSOT-223	Features	Auto Restart, Slew Rate Controlled
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	-55°C ~ 150°C (TJ)
	Package / Case	TO-261-4, TO-261AA
Report errors?	Supplier Device Package	SOT-223
		Report error

NIF5003NT3G 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 BUARANTEE

Service Guarantees

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

NIF5003NT3G Payment Methods



NIF5003NT3G Shipping Methods



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