



NIF5003NT1 Information



For Reference Only

Part Number NIF5003NT1

Manufacturer ON Semiconductor

Category Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers

Description MOSFET N-CH 42V 14A SOT223

Package TO-261-4, TO-261AA
For the pricing/inventory/lead time, please contact

us

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



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Certified Quality

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NIF5003NT1 Specifications

Manufacturer Part Number NIF5003NT1 Manufacturer ON Semiconductor Category Integrated Circuits (ICs) Package TO-261-4, TO-261AA Series HDPlus? 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 42V (Max) Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 14A Rds On (Typ) 53 mOhm Input Type Non-Inverting Features Auto Restart, Slew Rate Controlled Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage Operating Temperature -55°C ~ 150°C (TJ) Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223	•	
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Interface On/Off Voltage - Load 42V (Max) Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 14A Rds On (Typ) 53 mOhm Input Type Non-Inverting Features Auto Restart, Slew Rate Controlled Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage Operating Temperature -55°C ~ 150°C (TJ) Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223	Output Configuration	Low Side
Voltage - Load Voltage - Supply (Vcc/Vdd) Not Required Current - Output (Max) 14A Rds On (Typ) 53 mOhm Input Type Non-Inverting Features Auto Restart, Slew Rate Controlled Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage Operating Temperature -55°C ~ 150°C (TJ) Package / Case TO-261-4, TO-261AA Supplier Device Package	Output Type	N-Channel
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	Interface	On/Off
Current - Output (Max) Rds On (Typ) 53 mOhm Input Type Non-Inverting Features Auto Restart, Slew Rate Controlled Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage Operating Temperature -55°C ~ 150°C (TJ) Package / Case TO-261-4, TO-261AA Supplier Device Package	Voltage - Load	42V (Max)
Rds On (Typ) 53 mOhm Input Type Non-Inverting Features Auto Restart, Slew Rate Controlled Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage Operating Temperature -55°C ~ 150°C (TJ) Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223	Voltage - Supply (Vcc/Vdd)	Not Required
Input Type Non-Inverting Features Auto Restart, Slew Rate Controlled Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage Operating Temperature -55°C ~ 150°C (TJ) Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223	Current - Output (Max)	14A
Features Auto Restart, Slew Rate Controlled Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage Operating Temperature -55°C ~ 150°C (TJ) Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223	Rds On (Typ)	53 mOhm
Fault Protection Current Limiting (Fixed), Over Temperature, Over Voltage Operating Temperature -55°C ~ 150°C (TJ) Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223	Input Type	Non-Inverting
Operating Temperature -55°C ~ 150°C (TJ) Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-223	Features	Auto Restart, Slew Rate Controlled
Package / Case TO-261-4, TO-261AA Supplier Device Package SOT-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 errors?

NIF5003NT1 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.

NIF5003NT1 Payment Methods



















NIF5003NT1 Shipping Methods













If you have any question about NIF5003NT1, please do not hesitate to contact us!

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