

NIF5003NT1G



ON Semiconductor®

Part Number: [NIF5003NT1G](#)

Manufacturer: [AMI Semiconductor / ON Semiconductor](#)

Description: MOSFET N-CH HD+ 14A 42V SOT223

Data sheet:  [NIF5003N](#)

RoHs Status: Lead free / RoHS Compliant

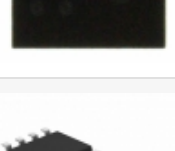
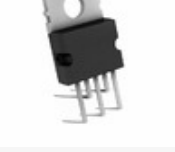
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Request For Quotation

PRODUCT PARAMETER			
Part Number	NIF5003NT1G	Manufacturer	AMI Semiconductor / ON Semiconductor
Description	MOSFET N-CH HD+ 14A 42V SOT223	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5083 pcs	Data sheet	NIF5003N
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	Not Required
Voltage - Load	42V (Max)	Switch Type	General Purpose
Supplier Device Package	SOT-223	Series	HDPlus™
Rds On (Typ)	53 mOhm	Ratio - Input:Output	1:1
Packaging	Cut Tape (CT)	Package / Case	TO-261-4, TO-261AA
Output Type	N-Channel	Output Configuration	Low Side
Other Names	NIF5003NT1GOSCT	Operating Temperature	-55°C ~ 150°C (TJ)
Number of Outputs	1	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	Interface	On/Off
Input Type	Non-Inverting	Features	Auto Restart, Slew Rate Controlled
Fault Protection	Current Limiting (Fixed), Over Temperature, Over Voltage	Current - Output (Max)	14A
Base Part Number	NIF5003N		
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	Part#: NIF62514T3G Description: IC FET VOLT CLAMP 6A 40V SOT-223	Manufacturers: AMI Semiconductor / ON Semiconductor	RFQ
	Part#: NIF5002NT3 Description: MOSFET N-CH 42V 2A SOT223	Manufacturers: AMI Semiconductor / ON Semiconductor	RFQ
	Part#: SLG59M611V Description: N-CHANNEL, REVERSE BLOCKING, CHA	Manufacturers: Silego Technology	RFQ
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	Part#: NIF5003NT3G Description: IC FET SGL N-CHAN 14A 42V SOT223	Manufacturers: AMI Semiconductor / ON Semiconductor	RFQ
	Part#: NIF5002NT1G Description: MOSFET N-CHAN HD+ 2A 42V SOT223	Manufacturers: AMI Semiconductor / ON Semiconductor	RFQ
	Part#: NIF5002NT1 Description: MOSFET N-CH 42V 2A SOT223	Manufacturers: AMI Semiconductor / ON Semiconductor	RFQ
	Part#: NIF62514T1 Description: MOSFET N-CH 40V 6A SOT223	Manufacturers: AMI Semiconductor / ON Semiconductor	RFQ
	Part#: NIF9N05CLT1G Description: MOSFET N-CH 59V 2.6A SOT223	Manufacturers: AMI Semiconductor / ON Semiconductor	RFQ
	Part#: NIF9N05CLT1 Description: MOSFET N-CH 52V 2.6A SOT223	Manufacturers: AMI Semiconductor / ON Semiconductor	RFQ
	Part#: NIF9N05CLT3G Description: MOSFET N-CH 59V 2.6A SOT223	Manufacturers: AMI Semiconductor / ON Semiconductor	RFQ
	Part#: NIF62514T1G Description: MOSFET N-CH HD+ 6A 40V SOT223	Manufacturers: AMI Semiconductor / ON Semiconductor	RFQ
	Part#: NIF5003NT3 Description: IC FET SGL N-CHAN 14A 42V SOT223	Manufacturers: AMI Semiconductor / ON Semiconductor	RFQ
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	Part#: VBG15NB22T5SP-E Description: IC IGNITION COIL DRIVER POWERSO1	Manufacturers: STMicroelectronics	RFQ

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