



NTS10100MFST3G

Manufacturer Part Number	NTS10100MFST3G
Manufacturer	onsemi
Allelco Part Number	32D-NTS10100MFST3G
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	DIODE SCHOTTKY 100V 10A 5DFN
Package	8-PowerTDFN, 5 Leads
Data sheet	NTS10100MFS, NRVTS10100MFS.pdf
RoHS Status	ROHS3 Compliant



Get a Quote

NTS10100MFST3G - onsemi.New Original in Stock. Download Linear Technology NTS10100MFST3G datasheet/specifications on AllelcoElec.com.
Request a quote for NTS10100MFST3G, please send us email: info@allelco.com

Specifications

NTS10100MFST3G Tech Specifications
NTS10100MFST3G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package	Tape & Reel (TR)
Voltage - Forward (Vf) (Max) @ If	690 mV @ 10 A	Operating Temperature - Junction	-55°C ~ 150°C
Voltage - DC Reverse (Vr) (Max)	100 V	Mounting Type	Surface Mount
Technology	Schottky	Current - Reverse Leakage @ Vr	70 µA @ 100 V
Supplier Device Package	5-DFN (5x6) (8-SOFL)	Current - Average Rectified (Io)	10A
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Capacitance @ Vr, F	-
Series	-	Base Product Number	NTS10100
Package / Case	8-PowerTDFN, 5 Leads		

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NTS10100MFST3G

Product Attribute	NO PICTURE			
Part Number	NTS10100MFST3G	NTS12120MFST1G	NTS12100EMFST1G	NTS10100EMFST1G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Voltage - Forward (Vf) (Max) @ If	690 mV @ 10 A	830 mV @ 12 A	730 mV @ 12 A	720 mV @ 10 A
Voltage - DC Reverse (Vr) (Max)	100 V	120 V	100 V	100 V
Supplier Device Package	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)
Base Product Number	NTS10100	NTS12120	NTS12100	NTS10100
Current - Reverse Leakage @ Vr	70 µA @ 100 V	55 µA @ 100 V	55 µA @ 100 V	50 µA @ 100 V
Package / Case	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads
Series	-	-	-	-
Operating Temperature - Junction	-55°C ~ 150°C	-55°C ~ 150°C	-55°C ~ 150°C	-55°C ~ 175°C
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Technology	Schottky	Schottky	Schottky	Schottky
Capacitance @ Vr, F	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Average Rectified (Io)	10A	12A	12A	10A
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)

NTS10100MFST3G Datasheet PDF

Download NTS10100MFST3G pdf datasheets and onsemi documentation for NTS10100MFST3G - onsemi.

Datasheets

[NTS10100MFS, NRVTS10100MFS.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

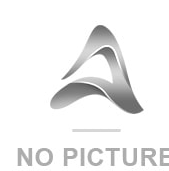
[onsemi RoHS.pdf](#)







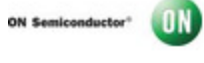





PCN Obsolescence/ EOL

[Mult Dev EOL 7/Jul/2021.pdf](#)

Customers Also Interested in

Recommended Products



NTS12120MFST1G onsemi DIODE SCHOTTKY 120V 12A 5DFN	NTS12120EMFS AMI Semiconductor/onsemi	NTS0104UK012 Freescale / NXP Semiconductors	NTS1124N NTS	NTS12100EMFST1G onsemi DIODE SCHOTTKY 100V 12A 5DFN	NTS1108N NTS
					
NTS10100EMFST1G onsemi DIODE SCHOTTKY 100V 10A 5DFN	NTS10100MFST1G onsemi DIODE SCHOTTKY 100V 10A 5DFN	NTS0104BQ115 Freescale / NXP Semiconductors	NTS0104QU12 Freescale / NXP Semiconductors	NTS12120EMFST1G onsemi DIODE SCHOTTKY 120V 12A 5DFN	NTS0104GU12 Freescale / NXP Semiconductors
					
NTS1045MFST1G onsemi DIODE SCHOTTKY 45V 10A 5DFN	NTS0304EPWJ NXP USA Inc. 4-BIT VOLTAGE TRANSLATOR 14TSSOP	NTS0104PW Freescale / NXP Semiconductors	NTS1308U NEXTCHIP	NTS0104GU12115 Freescale / NXP Semiconductors	NTS0104BQ-Q100 Freescale / NXP Semiconductors

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
- > Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support



The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -

-  Efficient Supply Management
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

-  Phone
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Certifications & Memberships



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