

Image may be representation.
See specifications for product details.



NTB004N10G

Manufacturer Part Number	NTB004N10G
Manufacturer	onsemi
Allelco Part Number	32D-NTB004N10G
ECAD Model	3D Model
Parts Description	MOSFET N-CH 100V 201A TO263
Package	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Data sheet	NTB004N10G.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

NTB004N10G - onsemi.New Original in Stock. Download Linear Technology NTB004N10G datasheet/specifications on AllelcoElec.com.
Request a quote for NTB004N10G, please send us email: info@allelco.com

Specifications

NTB004N10G Tech Specifications

NTB004N10G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	4V @ 500µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	11900 pF @ 50 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	175 nC @ 10 V
Supplier Device Package	D ² PAK-3 (TO-263-3)	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	4.2mOhm @ 100A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	340W (Tc)	Drain to Source Voltage (Vdss)	100 V
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	201A (Ta)
Package	Tape & Reel (TR)	Base Product Number	NTB004

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NTB004N10G

Product Attribute				
Part Number	NTB004N10G	NTB110N65S3HF	NTB082N65S3F	NTB125N02RG
Manufacturer	onsemi	onsemi	onsemi	onsemi
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Input Capacitance (Ciss) (Max) @ Vds	11900 pF @ 50 V	2635 pF @ 400 V	3410 pF @ 400 V	3440 pF @ 20 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Base Product Number	NTB004	NTB110	NTB082	NTB12
Gate Charge (Qg) (Max) @ Vgs	175 nC @ 10 V	62 nC @ 10 V	81 nC @ 10 V	28 nC @ 4.5 V
Current - Continuous Drain (Id) @ 25°C	201A (Ta)	30A (Tc)	40A (Tc)	95A (Ta), 120.5A (Tc)
Drain to Source Voltage (Vdss)	100 V	650 V	650 V	24 V
Supplier Device Package	D ² PAK-3 (TO-263-3)	D ² PAK-3 (TO-263-3)	D ² PAK (TO-263)	D2PAK
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tube
Vgs (Max)	±20V	±30V	±30V	±20V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	4.5V, 10V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Rds On (Max) @ Id, Vgs	4.2mOhm @ 100A, 10V	110mOhm @ 15A, 10V	82mOhm @ 20A, 10V	4.6mOhm @ 20A, 10V
Power Dissipation (Max)	340W (Tc)	240W (Tc)	313W (Tc)	1.98W (Ta), 113.6W (Tc)
Vgs(th) (Max) @ Id	4V @ 500µA	5V @ 740µA	5V @ 4mA	2V @ 250µA
FET Feature	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	-	FRFET®, SuperFET® III	SuperFET® III	-
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB

NTB004N10G Datasheet PDF

Download NTB004N10G pdf datasheets and onsemi documentation for NTB004N10G - onsemi.

Datasheets

NTB004N10G.pdf

Environmental Information

onsemi REACH.pdf

onsemi RoHS.pdf



Assembly Change 09/May/2023.pdf

PCN Packaging



Mult Dev Box Chgs 1/Jul/2021.pdf

Customers Also Interested in

Recommended Products



NTB0101GF

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NTB0101GW

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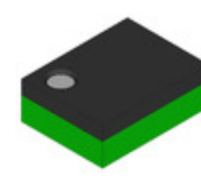
NTB0104GU12,115

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12XQFN



NTB110N65S3HF

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MOSFET N-CH 650V 30A D2PAK-3



NTB0104UK

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NTB082N65S3F

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MOSFET N-CH 650V 40A D2PAK



NTB0104BQ115

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NTB125N02RG

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MOSFET N-CH 24V 95A/120.5A
D2PAK



NTB125N02RT4G

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MOSFET N-CH 24V 95A/120.5A
D2PAK



NTB0104BQ

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.



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Contact us if you have any questions.



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Certifications & Memberships



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