

Image may be representation.
See specifications for product details.



NTD5865NLT4G

Manufacturer Part Number	NTD5865NLT4G
Manufacturer	onsemi
Allelco Part Number	32D-NTD5865NLT4G
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 60V 46A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	NTD5865NL.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

NTD5865NLT4G - onsemi.New Original in Stock. Download Linear Technology NTD5865NLT4G datasheet/specifications on AllelcoElec.com.
Request a quote for NTD5865NLT4G, please send us email: info@allelco.com

Specifications

NTD5865NLT4G Tech Specifications

NTD5865NLT4G - 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	2V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1400 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	29 nC @ 10 V
Supplier Device Package	DPAK	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	16mOhm @ 20A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	71W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	46A (Tc)
Package	Tape & Reel (TR)	Base Product Number	NTD5865

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NTD5865NLT4G

Product Attribute				
Part Number	NTD5865NLT4G	NTD5867NL-1G	NTD5865NL-1G	NTD5862NT4G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-251-3 Short Leads, IPak, TO-251AA	TO-251-3 Short Leads, IPak, TO-251AA	TO-252-3, DPak (2 Leads + Tab), SC-63
Vgs(th) (Max) @ Id	2V @ 250µA	2.5V @ 250µA	2V @ 250µA	4V @ 250µA
Rds On (Max) @ Id, Vgs	16mOhm @ 20A, 10V	39mOhm @ 10A, 10V	16mOhm @ 20A, 10V	5.7mOhm @ 45A, 10V
Power Dissipation (Max)	71W (Tc)	36W (Tc)	71W (Tc)	115W (Tc)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	10V
Current - Continuous Drain (Id) @ 25°C	46A (Tc)	20A (Tc)	46A (Tc)	98A (Tc)
Supplier Device Package	DPAK	I-PAK	I-PAK	DPAK
Base Product Number	NTD5865	NTD58	NTD58	-
Mounting Type	Surface Mount	Through Hole	Through Hole	Surface Mount
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package	Tape & Reel (TR)	Tube	Tube	Bulk
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Series	-	-	-	-
Input Capacitance (Ciss) (Max) @ Vds	1400 pF @ 25 V	675 pF @ 25 V	1400 pF @ 25 V	6000 pF @ 25 V
Drain to Source Voltage (Vdss)	60 V	60 V	60 V	60 V
Vgs (Max)	±20V	±20V	±20V	±20V
Gate Charge (Qg) (Max) @ Vgs	29 nC @ 10 V	15 nC @ 10 V	29 nC @ 10 V	82 nC @ 10 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
FET Feature	-	-	-	-

NTD5865NLT4G Datasheet PDF

Download NTD5865NLT4G pdf datasheets and onsemi documentation for NTD5865NLT4G - onsemi.

Datasheets

[NTD5865NL.pdf](#)

Environmental Information

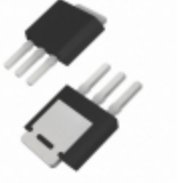


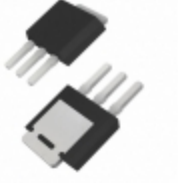



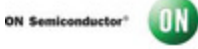





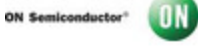


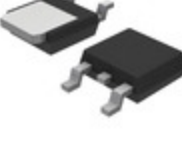

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

					
NTD5867NL-1G onsemi MOSFET N-CH 60V 20A IPAK	NTD5865NL AMI Semiconductor/onsemi	NTD5862NT4G 5862NG AMI Semiconductor/onsemi	NTD5865NL-1G onsemi MOSFET N-CH 60V 46A IPAK	NTD5862NT4G onsemi POWER FIELD-EFFECT TRANSISTOR, 9	NTD5865NT4G onsemi MOSFET N-CH 60V 43A DPAK
					
NTD5867NL AMI Semiconductor/onsemi	NTD5P06V AMI Semiconductor/onsemi	NTD5867NLT4G onsemi MOSFET N-CH 60V 20A DPAK	NTD5865NLG AMI Semiconductor/onsemi	NTD5867N LT4G AMI Semiconductor/onsemi	NTD5862N AMI Semiconductor/onsemi
					
NTD5807NT4G onsemi MOSFET N-CH 40V 23A DPAK	NTD5867NLG AMI Semiconductor/onsemi	NTD5867NT4G AMI Semiconductor/onsemi	NTD5862N MOS AMI Semiconductor/onsemi	NTD5865N-1G onsemi MOSFET N-CH 60V 43A DPAK	NTD5862NT4G MOS AMI Semiconductor/onsemi

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
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Contact us if you have any questions.

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Certifications & Memberships



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