



Image may be representation.
See specifications for product details.



NTHD3100CT1G

Manufacturer Part Number	NTHD3100CT1G
Manufacturer	onsemi
Allelco Part Number	32D-NTHD3100CT1G
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N/P-CH 20V CHIPFET
Package	8-SMD, Flat Lead
Data sheet	NTHD3100C.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

NTHD3100CT1G - onsemi.New Original in Stock. Download Linear Technology NTHD3100CT1G datasheet/specifications on AllelcoElec.com.
Request a quote for NTHD3100CT1G, please send us email: info@allelco.com

Specifications

NTHD3100CT1G Tech Specifications

NTHD3100CT1G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	1.2V @ 250µA	Mounting Type	Surface Mount
Technology	MOSFET (Metal Oxide)	Input Capacitance (Ciss) (Max) @ Vds	165pF @ 10V
Supplier Device Package	ChipFET™	Gate Charge (Qg) (Max) @ Vgs	2.3nC @ 4.5V
Series	-	FET Feature	Logic Level Gate
Rds On (Max) @ Id, Vgs	80mOhm @ 2.9A, 4.5V	Drain to Source Voltage (Vdss)	20V
Power - Max	1.1W	Current - Continuous Drain (Id) @ 25°C	2.9A, 3.2A
Package / Case	8-SMD, Flat Lead	Configuration	N and P-Channel
Package	Tape & Reel (TR)	Base Product Number	NTHD3100

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NTHD3100CT1G

Product Attribute				
Part Number	NTHD3100CT1G	NTHC5513T1G	NTHC5513T1	NTHD4401PT1
Manufacturer	onsemi	onsemi	onsemi	onsemi
Power - Max	1.1W	1.1W	1.1W	1.1W
FET Feature	Logic Level Gate	Logic Level Gate	Logic Level Gate	Logic Level Gate
Input Capacitance (Ciss) (Max) @ Vds	165pF @ 10V	180pF @ 10V	180pF @ 10V	300pF @ 10V
Configuration	N and P-Channel	N and P-Channel	N and P-Channel	2 P-Channel (Dual)
Series	-	-	-	-
Package / Case	8-SMD, Flat Lead	8-SMD, Flat Lead	8-SMD, Flat Lead	8-SMD, Flat Lead
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Drain to Source Voltage (Vdss)	20V	20V	20V	20V
Gate Charge (Qg) (Max) @ Vgs	2.3nC @ 4.5V	4nC @ 4.5V	4nC @ 4.5V	6nC @ 4.5V
Vgs(th) (Max) @ Id	1.2V @ 250µA	1.2V @ 250µA	1.2V @ 250µA	1.2V @ 250µA
Current - Continuous Drain (Id) @ 25°C	2.9A, 3.2A	2.9A, 2.2A	2.9A, 2.2A	2.1A
Base Product Number	NTHD3100	NTHC5513	NTHC5513	NTHD44
Supplier Device Package	ChipFET™	ChipFET™	ChipFET™	ChipFET™
Rds On (Max) @ Id, Vgs	80mOhm @ 2.9A, 4.5V	80mOhm @ 2.9A, 4.5V	80mOhm @ 2.9A, 4.5V	155mOhm @ 2.1A, 4.5V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

NTHD3100CT1G Datasheet PDF

Download NTHD3100CT1G pdf datasheets and onsemi documentation for NTHD3100CT1G - onsemi.

Datasheets

[NTHD3100C.pdf](#)

Environmental Information










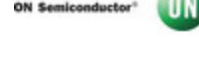








[onsemi RoHS.pdf](#)

PCN Packaging

[Covering Tape/Material Chg 20/May/2016.pdf](#)

Customers Also Interested in

Recommended Products

 NO PICTURE					
NTHA8HC-60.000 N/A	NTHC5513T1G onsemi MOSFET N/P-CH 20V CHIPFET	NTHC5513T1 onsemi MOSFET N/P-CH 20V CHIPFET	NTHD3101FT1G onsemi MOSFET P-CH 20V 3.2A CHIPFET	NTH5G39B332K01TE Murata Power Solutions	NTHD4401PT1 onsemi MOSFET 2P-CH 20V 2.1A CHIPFET
					
NTHD3101FT1 AMI Semiconductor/onsemi	NTHD3103FT1G AMI Semiconductor/onsemi	NTHD4102PT1G onsemi MOSFET 2P-CH 20V 2.9A CHIPFET	NTHD310FT1G AMI Semiconductor/onsemi	NTHD3100CT1 onsemi MOSFET N/P-CH 20V CHIPFET	NTHD3102CT1G onsemi MOSFET N/P-CH 20V 4A/3.1A 1206A
					
NTHD3133PFT1G onsemi MOSFET P-CH 20V 3.2A CHIPFET	NTHD2102PT1G onsemi MOSFET 2P-CH 8V 3.4A CHIPFET	NTH5G2M41B683J04TE Murata Power Solutions	NTHD2102PT1 onsemi MOSFET 2P-CH 8V 3.4A CHIPFET	NTHD4102PT1 AMI Semiconductor/onsemi	NTHA3HB-1.5440-E(T) Pericom Semiconductor Corp. (Diodes Incorporated)

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

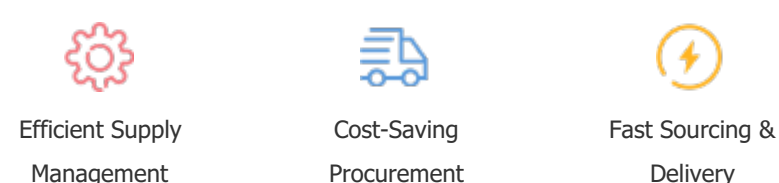
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

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 -



Contact us if you have any questions.



Certifications & Memberships



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