





# NTMFS5C604NLT1G

Manufacturer Part Number	<b>NTMFS5C604NLT1G</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-NTMFS5C604NLT1G
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 60V 38A 5DFN
Package	8-PowerTDFN, 5 Leads
Data sheet	<a href="#">NTMFS5C604NL.pdf</a>
RoHs Status	 ROHS3 Compliant



**Get a Quote**

NTMFS5C604NLT1G - onsemi.New Original in Stock. Download Linear Technology NTMFS5C604NLT1G datasheet/specifications on AllelcoElec.com.

Request a quote for NTMFS5C604NLT1G, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications





NTMFS5C604NLT1G Tech Specifications

NTMFS5C604NLT1G - 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	8900 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	120 nC @ 10 V
Supplier Device Package	5-DFN (5x6) (8-SOFL)	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	1.2mOhm @ 50A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	3.9W (Ta), 200W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	8-PowerTDFN, 5 Leads	Current - Continuous Drain (Id) @ 25°C	38A (Ta)
Package	Tape & Reel (TR)	Base Product Number	NTMFS5

## Parts with Similar Specifications

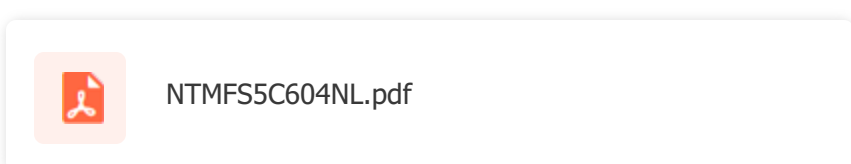
The three parts on the right have similar specifications to onsemi NTMFS5C604NLT1G

Product Attribute	 NO PICTURE			
Part Number	NTMFS5C604NLT1G	NTMFS5C430NT1G	NTMFS5C426NT1G	NTMFS5C460NLT1G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Gate Charge (Qg) (Max) @ Vgs	120 nC @ 10 V	47 nC @ 10 V	65 nC @ 10 V	23 nC @ 10 V
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
FET Feature	-	-	-	-
Base Product Number	NTMFS5	NTMFS5	NTMFS5	NTMFS5
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	10V	10V	4.5V, 10V
Current - Continuous Drain (Id) @ 25°C	38A (Ta)	35A (Ta), 185A (Tc)	41A (Ta), 235A (Tc)	78A (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Series	-	-	-	-
Rds On (Max) @ Id, Vgs	1.2mOhm @ 50A, 10V	1.7mOhm @ 50A, 10V	1.3mOhm @ 50A, 10V	4.5mOhm @ 35A, 10V
Drain to Source Voltage (Vdss)	60 V	40 V	40 V	40 V
Package / Case	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads
Supplier Device Package	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)
Vgs (Max)	±20V	±20V	±20V	±20V
Vgs(th) (Max) @ Id	2V @ 250µA	3.5V @ 250µA	3.5V @ 250µA	2V @ 250µA
Power Dissipation (Max)	3.9W (Ta), 200W (Tc)	3.8W (Ta), 106W (Tc)	3.8W (Ta), 128W (Tc)	3.6W (Ta), 50W (Tc)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Input Capacitance (Ciss) (Max) @ Vds	8900 pF @ 25 V	3300 pF @ 25 V	4300 pF @ 25 V	1300 pF @ 20 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)

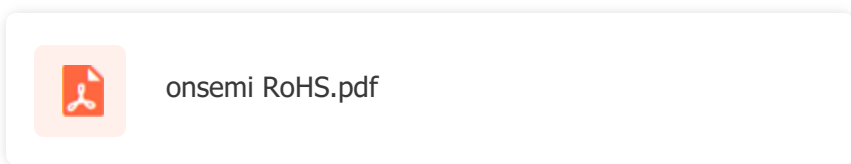
## NTMFS5C604NLT1G Datasheet PDF

Download NTMFS5C604NLT1G pdf datasheets and onsemi documentation for NTMFS5C604NLT1G - onsemi.

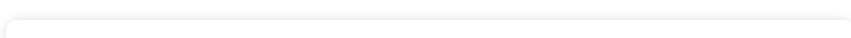
### Datasheets



### Environmental Information



### PCN Assembly/Origin



Wafer Fab Change 17/Oct/2022.pdf

## PCN Packaging

MPN Label Update 08/Sep/2021.pdf

MPN label update 11/Oct/2021.pdf



















## PCN Design/Specification

T6 40V/60V Datasheet Update 30/Dec/2015.pdf

Mult Dev DS Chg 6/May/2021.pdf

## Customers Also Interested in

### Recommended Products

 <b>NTMFS5C430NT1G</b> onsemi MOSFET N-CH 40V 35A/185A 5DFN	 <b>NTMFS5C604NT1G</b> AMI Semiconductor/onsemi	 <b>NTMFS5C426NT1G</b> onsemi MOSFET N-CH 40V 41A/235A 5DFN	 <b>NTMFS5C460NLT1G</b> onsemi MOSFET N-CH 40V 5DFN	 <b>NTMFS5C450NLT1G</b> onsemi MOSFET N-CH 40V 27A/110A 5DFN	 <b>NTMFS5C430NLT1G</b> onsemi MOSFET N-CH 40V 200A 5DFN
 <b>NTMFS5C673NLT1G</b> onsemi MOSFET N-CH 60V 5DFN	 <b>NTMFS5C442NLT1G</b> onsemi MOSFET N-CH 40V 27A/130A 5DFN	 <b>NTMFS5C646NLT1G</b> onsemi MOSFET N-CH 60V 19A 5DFN	 <b>NTMFS5C670NLT1G</b> onsemi MOSFET N-CH 60V 17A/71A 5DFN	 <b>NTMFS5C628NLT1G-01</b> AMI Semiconductor/onsemi	 <b>NTMFS5C645NLT1G</b> onsemi MOSFET N-CH 60V 22A/100A 5DFN
 <b>NTMFS5C442NLT1G</b> onsemi MOSFET N-CH 40V 28A/130A 5DFN	 <b>NTMFS5C456NLT1G</b> onsemi MOSFET N-CH 40V 5DFN	 <b>NTMFS5C468NLT3G</b> onsemi MOSFET N-CH 40V 5DFN	 <b>NTMFS5C612NLT1G</b> onsemi MOSFET N-CH 60V 36A/235A 5DFN	 <b>NTMFS5C628NLT1G</b> onsemi MOSFET N-CH 60V 5DFN	 <b>NTMFS5C468NLT1G</b> onsemi MOSFET N-CH 40V 5DFN

## 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.

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## Certifications & Memberships



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