



NTMFS5844NLT1G

Manufacturer Part Number	NTMFS5844NLT1G
Manufacturer	onsemi
Allelco Part Number	32D-NTMFS5844NLT1G
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 60V 11.2A 5DFN
Package	8-PowerTDFN, 5 Leads
Data sheet	NTMFS5844NL.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

NTMFS5844NLT1G - onsemi.New Original in Stock. Download Linear Technology NTMFS5844NLT1G datasheet/specifications on AllelcoElec.com.

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Specifications

NTMFS5844NLT1G Tech Specifications

NTMFS5844NLT1G - 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	2.3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	1460 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	30 nC @ 10 V
Supplier Device Package	5-DFN (5x6) (8-SOFL)	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	12mOhm @ 10A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	3.7W (Ta), 107W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	8-PowerTDFN, 5 Leads	Current - Continuous Drain (Id) @ 25°C	11.2A (Ta)
Package	Tape & Reel (TR)	Base Product Number	NTMFS5844

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NTMFS5844NLT1G

Product Attribute	NO PICTURE			
Part Number	NTMFS5844NLT1G	NTMFS4H02NFT1G	NTMFS4H01NFT1G	NTMFS4H013NFT1G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-55°C ~ 175°C (TJ)	150°C (TJ)	150°C (TJ)	150°C (TJ)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Gate Charge (Qg) (Max) @ Vgs	30 nC @ 10 V	40.9 nC @ 10 V	82 nC @ 10 V	56 nC @ 10 V
Drain to Source Voltage (Vdss)	60 V	25 V	25 V	25 V
Base Product Number	NTMFS5844	NTMFS4	NTMFS4	NTMFS4
Package / Case	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads
Vgs(th) (Max) @ Id	2.3V @ 250µA	2.1V @ 250µA	2.1V @ 250µA	2.1V @ 250µA
FET Feature	-	-	-	-
Power Dissipation (Max)	3.7W (Ta), 107W (Tc)	3.13W (Ta), 83W (Tc)	3.2W (Ta), 125W (Tc)	2.7W (Ta), 104W (Tc)
Series	-	-	-	-
Current - Continuous Drain (Id) @ 25°C	11.2A (Ta)	37A (Ta), 193A (Tc)	54A (Ta), 334A (Tc)	43A (Ta), 269A (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Supplier Device Package	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)
Input Capacitance (Ciss) (Max) @ Vds	1460 pF @ 25 V	2652 pF @ 12 V	5538 pF @ 12 V	3923 pF @ 12 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Rds On (Max) @ Id, Vgs	12mOhm @ 10A, 10V	1.4mOhm @ 30A, 10V	0.7mOhm @ 30A, 10V	0.9mOhm @ 30A, 10V
Vgs (Max)	±20V	±20V	±20V	±20V

NTMFS5844NLT1G Datasheet PDF

Download NTMFS5844NLT1G pdf datasheets and onsemi documentation for NTMFS5844NLT1G - onsemi.

Datasheets

NTMFS5844NL.pdf

Environmental Information

onsemi REACH.pdf



















onsemi RoHS.pdf

PCN Obsolescence/ EOL

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 NTMFS4H02NFT1G onsemi MOSFET N-CH 25V 37A/193A 5DFN	 NTMFS4H01NFT1G onsemi MOSFET N-CH 25V 54A/334A 5DFN	 NTMFS4H013NFT1G onsemi MOSFET N-CH 25V 43A/269A 5DFN	 NTMFS5830NLT1G onsemi MOSFET N-CH 40V 28A/172A 5DFN	 NTMFS4H02NT3G onsemi MOSFET N-CH 25V 37A/193A 5DFN	 NTMFS5C410NT1G onsemi MOSFET N-CH 40V 46A/300A 5DFN
 NTMFS5C426NT1G onsemi MOSFET N-CH 40V 41A/235A 5DFN	 NTMFS4H01NT3G onsemi MOSFET N-CH 25V 54A/334A 5DFN	 NTMFS4H02NFT3G onsemi MOSFET N-CH 25V 37A/193A 5DFN	 NTMFS4H013NFT3G onsemi MOSFET N-CH 25V 43A/269A 5DFN	 NTMFS5C430NLT1G onsemi MOSFET N-CH 40V 200A 5DFN	 NTMFS5C404NLT1G Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR, N
 NTMFS5C423NLT1G onsemi MOSFET N-CH 40V 5DFN	 NTMFS4H01NT1G onsemi MOSFET N-CH 25V 54A/334A 5DFN	 NTMFS5C423NLT1G Fairchild Semiconductor POWER FIELD-EFFECT TRANSISTOR	 NTMFS5C404NLT1G onsemi MOSFET N-CH 40V 52A/370A 5DFN	 NTMFS5832NLT1G onsemi MOSFET N-CH 40V 20A/111A 5DFN	 NTMFS5C410NLT1G onsemi MOSFET N-CH 40V 46A/302A 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.



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Contact us if you have any questions.

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Certifications & Memberships



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