



NVMFD5C470NLT1G

Manufacturer Part Number	NVMFD5C470NLT1G
Manufacturer	onsemi
Allelco Part Number	32D-NVMFD5C470NLT1G
ECAD Model	Request Free CAD Models
Parts Description	MOSFET 2N-CH 40V 36A S08FL
Package	8-PowerTDFN
Data sheet	NVMFD5C470NL.pdf
RoHs Status	ROHS3 Compliant



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NVMFD5C470NLT1G - onsemi.New Original in Stock. Download Linear Technology NVMFD5C470NLT1G datasheet/specifications on AllelcoElec.com.
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Specifications

NVMFD5C470NLT1G Tech Specifications
NVMFD5C470NLT1G - 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	2.2V @ 20µA	Mounting Type	Surface Mount
Technology	MOSFET (Metal Oxide)	Input Capacitance (Ciss) (Max) @ Vds	590pF @ 25V
Supplier Device Package	8-DFN (5x6) Dual Flag (SO8FL-Dual)	Gate Charge (Qg) (Max) @ Vgs	4nC @ 4.5V
Series	Automotive, AEC-Q101	FET Feature	-
Rds On (Max) @ Id, Vgs	11.5mOhm @ 5A, 10V	Drain to Source Voltage (Vdss)	40V
Power - Max	3W (Ta), 24W (Tc)	Current - Continuous Drain (Id) @ 25°C	11A (Ta), 36A (Tc)
Package / Case	8-PowerTDFN	Configuration	2 N-Channel (Dual)
Package	Tape & Reel (TR)	Base Product Number	NVMFD5

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NVMFD5C470NLT1G

Product Attribute	NO PICTURE			
Part Number	NVMFD5C470NLT1G	NVMFD5C668NLT1G	NVMFD5C466NLT1G	NVMFD5C674NLT1G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Configuration	2 N-Channel (Dual)	2 N-Channel (Dual)	2 N-Channel (Dual)	2 N-Channel (Dual)
Drain to Source Voltage (Vdss)	40V	60V	40V	60V
Supplier Device Package	8-DFN (5x6) Dual Flag (SO8FL-Dual)	8-DFN (5x6) Dual Flag (SO8FL-Dual)	8-DFN (5x6) Dual Flag (SO8FL-Dual)	8-DFN (5x6) Dual Flag (SO8FL-Dual)
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Base Product Number	NVMFD5	NVMFD5	NVMFD5	NVMFD5
Rds On (Max) @ Id, Vgs	11.5mOhm @ 5A, 10V	6.5mOhm @ 20A, 10V	7.4mOhm @ 10A, 10V	14.4mOhm @ 10A, 10V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Gate Charge (Qg) (Max) @ Vgs	4nC @ 4.5V	21.3nC @ 10V	7nC @ 4.5V	4.7nC @ 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
Vgs(th) (Max) @ Id	2.2V @ 20µA	2V @ 50µA	2.2V @ 30µA	2.2V @ 25µA
Series	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101
Current - Continuous Drain (Id) @ 25°C	11A (Ta), 36A (Tc)	15.5A (Ta), 68A (Tc)	14A (Ta), 52A (Tc)	11A (Ta), 42A (Tc)
Input Capacitance (Ciss) (Max) @ Vds	590pF @ 25V	1440pF @ 25V	997pF @ 25V	640pF @ 25V
Package / Case	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN
FET Feature	-	-	-	-
Power - Max	3W (Ta), 24W (Tc)	3W (Ta), 57.5W (Tc)	3W (Ta), 40W (Tc)	3W (Ta), 37W (Tc)

NVMFD5C470NLT1G Datasheet PDF

Download NVMFD5C470NLT1G pdf datasheets and onsemi documentation for NVMFD5C470NLT1G - onsemi.

Datasheets

[NVMFD5C470NL.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

PCN Design/Specification

<http://media.digikey.com/pdf/PCNs/On%20Semi/PB2471.pdf>

PCN Assembly/Origin



Customers Also Interested in

Recommended Products



NVMFD5C668NLT1G

onsemi
T6 60V S08FL DUAL



NVMFD5C466NLT1G

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MOSFET 2N-CH 40V 52A S08FL



NVMFD5C674NLT1G

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MOSFET 2N-CH 60V 42A S08FL



NVMFD5C470NT1G

onsemi
40V 11.7 MOHM T8 S08FL DU



NVMFD5C466NLWFT1G

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MOSFET 2N-CH 40V 52A S08FL



NVMFD6H852NLT1G

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MOSFET N-CH 80V 7A/25A 8DFN DL



NVMFD5C672NLT1G

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MOSFET 2N-CH 60V 49A S08FL



NVMFD5C478NWFT1G

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40V 17 MOHM T8 S08FL DUAL



NVMFD5C462NLWFT1G

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MOSFET 2N-CH 40V 84A S08FL



NVMFD5C466NT1G

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40V 8.1 MOHM T8 S08FL DUA



NVMFD5877NLWFT1G

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MOSFET 2N-CH 60V 6A S08FL



NVMFD5C680NLT1G

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MOSFET 2N-CH 60V 26A S08FL



NVMFD5C478NT1G

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40V 17 MOHM T6 S08FL DUAL



NVMFD5C462NT1G

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40V 5.4 MOHM T8 S08FL DUA



NVMFD5C446NLT1G

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MOSFET 2N-CH 40V 145A S08FL



NVMFD5877NLT3G

onsemi
MOSFET 2N-CH 60V 6A 8SOIC



NVMFD5C462NWFT1G

onsemi
40V 5.4 MOHM T8 S08FL DUA



NVMFD5C478NLWFT1G

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40V 14.5 MOHM T8 S08FL DU

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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Cost-Saving Procurement



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Contact us if you have any questions.



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Certifications & Memberships



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