



NVMF55C460NLAFT1G

Manufacturer Part Number	NVMF55C460NLAFT1G
Manufacturer	onsemi
Allelco Part Number	32D-NVMF55C460NLAFT1G
ECAD Model	3D Model
Parts Description	MOSFET N-CH 40V 21A/78A 5DFN
Package	8-PowerTDFN, 5 Leads
Data sheet	NVMF55C460NL.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

NVMF55C460NLAFT1G - onsemi.New Original in Stock. Download Linear Technology NVMF55C460NLAFT1G datasheet/specifications on AllelcoElec.com.
Request a quote for NVMF55C460NLAFT1G, please send us email: info@allelco.com

Specifications

NVMF55C460NLAFT1G Tech Specifications
NVMF55C460NLAFT1G - 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	1300 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	23 nC @ 10 V
Supplier Device Package	5-DFN (5x6) (8-SOFL)	FET Type	N-Channel
Series	Automotive, AEC-Q101	FET Feature	-
Rds On (Max) @ Id, Vgs	4.5mOhm @ 35A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	3.6W (Ta), 50W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	8-PowerTDFN, 5 Leads	Current - Continuous Drain (Id) @ 25°C	21A (Ta), 78A (Tc)
Package	Tape & Reel (TR)	Base Product Number	NVMF55

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NVMF55C460NLAFT1G

Product Attribute	NO PICTURE			
Part Number	NVMF55C460NLAFT1G	NVMF55C466NWFT1G	NVMF55C460NLWFAFT1G	NVMF55C466NT1G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Vgs(th) (Max) @ Id	2V @ 250µA	3.5V @ 250µA	2V @ 250µA	3.5V @ 250µA
Drain to Source Voltage (Vdss)	40 V	40 V	40 V	40 V
Supplier Device Package	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Package / Case	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	10V	4.5V, 10V	10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Base Product Number	NVMF55	NVMF55	NVMF55	NVMF55
FET Feature	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Vgs (Max)	±20V	±20V	±20V	±20V
Gate Charge (Qg) (Max) @ Vgs	23 nC @ 10 V	10 nC @ 10 V	23 nC @ 10 V	10 nC @ 10 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Rds On (Max) @ Id, Vgs	4.5mOhm @ 35A, 10V	8.1mOhm @ 15A, 10V	4.5mOhm @ 35A, 10V	8.1mOhm @ 15A, 10V
Input Capacitance (Ciss) (Max) @ Vds	1300 pF @ 25 V	625 pF @ 25 V	1300 pF @ 25 V	625 pF @ 25 V
Series	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101
Power Dissipation (Max)	3.6W (Ta), 50W (Tc)	3.5W (Ta), 37W (Tc)	3.6W (Ta), 50W (Tc)	3.5W (Ta), 37W (Tc)
Current - Continuous Drain (Id) @ 25°C	21A (Ta), 78A (Tc)	15A (Ta), 49A (Tc)	21A (Ta), 78A (Tc)	15A (Ta), 49A (Tc)

NVMF55C460NLAFT1G Datasheet PDF

Download NVMF55C460NLAFT1G pdf datasheets and onsemi documentation for NVMF55C460NLAFT1G - onsemi.

Datasheets

[NVMF55C460NL.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

PCN Design/Specification

[NVMF55C460NL.pdf](#)


















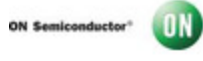
[NVMF55C460NL.pdf](#)

PCN Assembly/Origin

NVMFS- 03/Jan/2023.pdf

Customers Also Interested in

Recommended Products

					
NVMFS5C466NWFT1G onsemi MOSFET N-CH 40V 15A/49A 5DFN	NVMFS5C460NLWFAFT1G onsemi MOSFET N-CH 40V 21A/78A 5DFN	NVMFS5C466NT1G onsemi MOSFET N-CH 40V 15A/49A 5DFN	NVMFS5C460NWFT1G onsemi MOSFET N-CH 40V 19A/71A 5DFN	NVMFS5C456NLT1G onsemi MOSFET N-CH 40V 5DFN	NVMFS5C460NLT1G onsemi MOSFET N-CH 40V 5DFN
					
NVMFS5C456NLAFT1G onsemi MOSFET N-CH 40V 87A 5DFN	NVMFS5C450NLWFAFT1G onsemi MOSFET N-CH 40V 110A 5DFN	NVMFS5C442NWFAFT1G onsemi MOSFET N-CH 40V 29A/140A 5DFN	NVMFS5C460NLWFAFT3G onsemi MOSFET N-CH 40V 21A/78A 5DFN	NVMFS5C466NLT1G onsemi MOSFET N-CH 40V 16A/52A 5DFN	NVMFS5C450NWFT1G onsemi MOSFET N-CH 40V 5DFN
					
NVMFS5C450NLWFT1G onsemi MOSFET N-CH 40V 5DFN	NVMFS5C460NLWFT3G onsemi MOSFET N-CH 40V 5DFN	NVMFS5C460NLWFT1G onsemi MOSFET N-CH 40V 5DFN	NVMFS5C456NLWFT1G onsemi MOSFET N-CH 40V 5DFN	NVMFS5C450NLT1G onsemi MOSFET N-CH 40V 5DFN	NVMFS5C456NLWFAFT1G onsemi MOSFET N-CH 40V 87A 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
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Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
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Certifications & Memberships



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Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com