



NVMF55C682NLT3G

Manufacturer Part Number	NVMF55C682NLT3G
Manufacturer	onsemi
Allelco Part Number	32D-NVMF55C682NLT3G
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 60V 5DFN
Package	8-PowerTDFN, 5 Leads
Data sheet	NVMF55C682NL.pdf
RoHs Status	ROHS3 Compliant



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NVMF55C682NLT3G - onsemi.New Original in Stock. Download Linear Technology NVMF55C682NLT3G datasheet/specifications on AllelcoElec.com.
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Specifications

NVMF55C682NLT3G Tech Specifications
NVMF55C682NLT3G - 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 @ 16µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	410 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	5 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	21mOhm @ 10A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	3.5W (Ta), 28W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	8-PowerTDFN, 5 Leads	Current - Continuous Drain (Id) @ 25°C	25A (Tc)
Package	Tape & Reel (TR)	Base Product Number	NVMF55

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NVMF55C682NLT3G

Product Attribute				
Product Attribute	NO PICTURE			
Part Number	NVMF55C682NLT3G	NVMF56B05NT1G	NVMF55C670NWFT1G	NVMF55C682NLT1G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Rds On (Max) @ Id, Vgs	21mOhm @ 10A, 10V	8mOhm @ 20A, 10V	7mOhm @ 11A, 10V	21mOhm @ 10A, 10V
FET Feature	-	-	-	-
Vgs(th) (Max) @ Id	2V @ 16µA	4V @ 250µA	4V @ 53µA	2V @ 16µA
Series	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101
Supplier Device Package	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Input Capacitance (Ciss) (Max) @ Vds	410 pF @ 25 V	3100 pF @ 25 V	1035 pF @ 30 V	410 pF @ 25 V
Gate Charge (Qg) (Max) @ Vgs	5 nC @ 10 V	44 nC @ 10 V	14.4 nC @ 10 V	5 nC @ 10 V
Vgs (Max)	±20V	±16V	±20V	±20V
Power Dissipation (Max)	3.5W (Ta), 28W (Tc)	3.8W (Ta), 165W (Tc)	3.6W (Ta), 61W (Tc)	3.5W (Ta), 28W (Tc)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Base Product Number	NVMF55	NVMF56	NVMF55	NVMF55
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Current - Continuous Drain (Id) @ 25°C	25A (Tc)	114A (Tc)	17A (Ta), 71A (Tc)	25A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	10V	10V	4.5V, 10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	60 V	100 V	60 V	60 V

NVMF55C682NLT3G Datasheet PDF

Download NVMF55C682NLT3G pdf datasheets and onsemi documentation for NVMF55C682NLT3G - onsemi.

Datasheets

[NVMF55C682NL.pdf](#)

Environmental Information



















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PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 NVMFS6B05NT1G onsemi MOSFET N-CH 100V 5DFN	 NVMFS5C670NWFT1G onsemi MOSFET N-CH 60V 17A/71A 5DFN	 NVMFS5C682NLT1G onsemi MOSFET N-CH 60V 5DFN	 NVMFS5H663NLT1G onsemi MOSFET N-CH 60V 16.2A/67A 5DFN	 NVMFS6B05NLT1G onsemi SINGLE N-CHANNEL POWER MOSFET 10	 NVMFS5C682NLAFT1G onsemi MOSFET N-CH 60V 8.8A/25A 5DFN
 NVMFS5C673NLT1G onsemi MOSFET N-CH 60V 5DFN	 NVMFS5C673NLT3G onsemi MOSFET N-CH 60V 5DFN	 NVMFS6B14NLT1G onsemi MOSFET N-CH 100V 11A/55A 5DFN	 NVMFS5C680NLWFT1G onsemi MOSFET N-CH 60V 8.1A/21A 5DFN	 NVMFS5C682NLWFAFT1G onsemi MOSFET N-CH 60V 8.8A/25A 5DFN	 NVMFS6B14NLWFT1G onsemi MOSFET N-CH 100V 11A/55A 5DFN
 NVMFS5C673NLAFT1G onsemi MOSFET N-CHANNEL 60V 50A 5DFN	 NVMFS6B05NLWFT3G onsemi NVMFS6B05 - SINGLE N-CHANNEL POW	 NVMFS6B03NWFT1G onsemi MOSFET N-CH 100V 5DFN	 NVMFS6B14NLT3G onsemi MOSFET N-CH 100V 11A/55A 5DFN	 NVMFS5C677NLT1G onsemi MOSFET N-CH 60V 11A/36A 5DFN	 NVMFS6B14NLWFT3G onsemi MOSFET N-CH 100V 11A/55A 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.

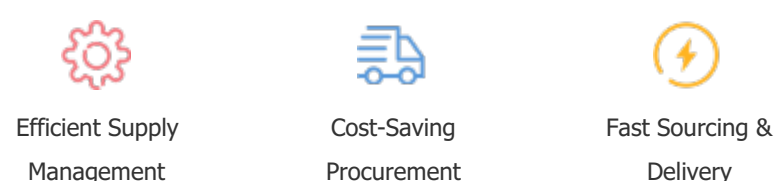
Payment Support

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 -



Contact us if you have any questions.



Certifications & Memberships



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