



NVMF55C404NLT1G

Manufacturer Part Number	NVMF55C404NLT1G
Manufacturer	onsemi
Allelco Part Number	32D-NVMF55C404NLT1G
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 40V 49A/352A 5DFN
Package	8-PowerTDFN, 5 Leads
Data sheet	NVMF55C404NL.pdf
RoHs Status	ROHS3 Compliant



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Specifications

NVMF55C404NLT1G Tech Specifications
NVMF55C404NLT1G - 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	12168 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	181 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	0.75mOhm @ 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)	40 V
Package / Case	8-PowerTDFN, 5 Leads	Current - Continuous Drain (Id) @ 25°C	49A (Ta), 352A (Tc)
Package	Tape & Reel (TR)	Base Product Number	NVMF55

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NVMF55C404NLT1G

Product Attribute	NO PICTURE			
Part Number	NVMF55C404NLT1G	NVMF55C410NLWFT1G	NVMF55C410NAFT1G	NVMF55C410NLT1G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Vgs (Max)	±20V	±20V	±20V	±20V
Input Capacitance (Ciss) (Max) @ Vds	12168 pF @ 25 V	8862 pF @ 25 V	6100 pF @ 25 V	8862 pF @ 25 V
Vgs(th) (Max) @ Id	2V @ 250µA	2V @ 250µA	3.5V @ 250µA	2V @ 250µA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Power Dissipation (Max)	3.9W (Ta), 200W (Tc)	3.8W (Ta), 167W (Tc)	3.9W (Ta), 166W (Tc)	3.8W (Ta), 167W (Tc)
Package / Case	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads
Current - Continuous Drain (Id) @ 25°C	49A (Ta), 352A (Tc)	48A (Ta), 315A (Tc)	46A (Ta), 300A (Tc)	48A (Ta), 315A (Tc)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Supplier Device Package	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Gate Charge (Qg) (Max) @ Vgs	181 nC @ 10 V	143 nC @ 10 V	86 nC @ 10 V	143 nC @ 10 V
Drain to Source Voltage (Vdss)	40 V	40 V	40 V	40 V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	10V	4.5V, 10V
FET Feature	-	-	-	-
Series	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Rds On (Max) @ Id, Vgs	0.75mOhm @ 50A, 10V	0.9mOhm @ 50A, 10V	0.92mOhm @ 50A, 10V	0.9mOhm @ 50A, 10V
Base Product Number	NVMF55	NVMF55	NVMF55	NVMF55

NVMF55C404NLT1G Datasheet PDF

Download NVMF55C404NLT1G pdf datasheets and onsemi documentation for NVMF55C404NLT1G - onsemi.

Datasheets

NVMF55C404NL.pdf

Environmental Information

onsemi REACH.pdf

onsemi RoHS.pdf















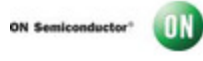


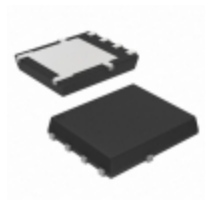
PCN Design/Specification

PCN Assembly/Origin

Wafer Fab Transfer 14/Dec/2021.pdf

Customers Also Interested in

Recommended Products

					
NVMFS5C410NLWFT1G onsemi MOSFET N-CH 40V 48A/315A 5DFN	NVMFS5C410NAFT1G onsemi MOSFET N-CH 40V 46A/300A 5DFN	NVMFS5C410NLT1G onsemi MOSFET N-CH 40V 48A/315A 5DFN	NVMFS5885NLWFT1G onsemi MOSFET N-CH 60V 10.2A 5DFN	NVMFS5C406NT1G onsemi MOSFET N-CH 40V 52A/353A 5DFN	NVMFS5A140PLZWFT1G onsemi MOSFET P-CH 40V 20A/140A 5DFN
					
NVMFS5885NLT3G onsemi MOSFET N-CH 60V 10.2A 5DFN	NVMFS5C410NLWFT3G onsemi MOSFET N-CH 40V 48A/315A 5DFN	NVMFS5C404NLAFT1G onsemi MOSFET N-CH 40V 370A 5DFN	NVMFS5885NLT1G onsemi MOSFET N-CH 60V 10.2A 5DFN	NVMFS5C404NLWFT1G onsemi MOSFET N-CH 40V 49A/352A 5DFN	NVMFS5A140PLZT1G onsemi MOSFET P-CH 40V 20A/140A 5DFN
					
NVMFS5C404NWFT1G onsemi MOSFET N-CH 40V 53A/378A 5DFN	NVMFS5C404NT1G onsemi MOSFET N-CH 40V 49A 5DFN	NVMFS5C410NLAFT1G onsemi MOSFET N-CH 40V 50A/330A 5DFN	NVMFS5C404NLWFAFT1G onsemi MOSFET N-CH 40V 370A 5DFN	NVMFS5A160PLZWFT1G onsemi MOSFET P-CH 60V 15A/100A 5DFN	NVMFS5A160PLZT1G AMI Semiconductor / ON Semiconductor -60V7.7MOHMSINGLE

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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