



NVMF55C404NWFT1G

Manufacturer Part Number	NVMF55C404NWFT1G
Manufacturer	onsemi
Allelco Part Number	32D-NVMF55C404NWFT1G
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 40V 53A/378A 5DFN
Package	8-PowerTDFN, 5 Leads
Data sheet	NVMF55C404N.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

NVMF55C404NWFT1G - onsemi.New Original in Stock. Download Linear Technology NVMF55C404NWFT1G datasheet/specifications on AllelcoElec.com.
Request a quote for NVMF55C404NWFT1G, please send us email: info@allelco.com

Specifications

NVMF55C404NWFT1G Tech Specifications
NVMF55C404NWFT1G - 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	4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	8400 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	128 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	0.7mOhm @ 50A, 10V	Drive Voltage (Max Rds On, Min Rds On)	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	53A (Ta), 378A (Tc)
Package	Tape & Reel (TR)	Base Product Number	NVMF55

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NVMF55C404NWFT1G

Product Attribute	NO PICTURE			
Part Number	NVMF55C404NWFT1G	NVMF55A140PLZWFT1G	NVMF55C410NLWFT1G	NVMF55C420NLWFT1G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Input Capacitance (Ciss) (Max) @ Vds	8400 pF @ 25 V	7400 pF @ 20 V	8862 pF @ 25 V	7020 pF @ 20 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Drain to Source Voltage (Vdss)	40 V	40 V	40 V	40 V
Rds On (Max) @ Id, Vgs	0.7mOhm @ 50A, 10V	4.2mOhm @ 50A, 10V	0.9mOhm @ 50A, 10V	1mOhm @ 50A, 10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	N-Channel	P-Channel	N-Channel	N-Channel
Package / Case	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads
Power Dissipation (Max)	3.9W (Ta), 200W (Tc)	3.8W (Ta), 200W (Tc)	3.8W (Ta), 167W (Tc)	3.8W (Ta), 146W (Tc)
Current - Continuous Drain (Id) @ 25°C	53A (Ta), 378A (Tc)	20A (Ta), 140A (Tc)	48A (Ta), 315A (Tc)	45A (Ta), 277A (Tc)
Supplier Device Package	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)
Drive Voltage (Max Rds On, Min Rds On)	10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
FET Feature	-	-	-	-
Vgs(th) (Max) @ Id	4V @ 250µA	2.6V @ 1mA	2V @ 250µA	2.2V @ 200µA
Gate Charge (Qg) (Max) @ Vgs	128 nC @ 10 V	136 nC @ 10 V	143 nC @ 10 V	100 nC @ 10 V
Series	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	NVMF55	NVMF55	NVMF55	-
Vgs (Max)	±20V	±20V	±20V	±20V

NVMF55C404NWFT1G Datasheet PDF

Download NVMF55C404NWFT1G pdf datasheets and onsemi documentation for NVMF55C404NWFT1G - onsemi.

Datasheets

[NVMF55C404N.pdf](#)

Environmental Information








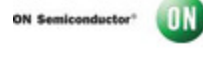
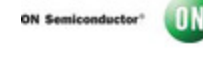









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PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 NVMFS5A140PLZWFT1G onsemi MOSFET P-CH 40V 20A/140A 5DFN	 NVMFS5C410NLWFT1G onsemi MOSFET N-CH 40V 48A/315A 5DFN	 NVMFS5C420NLWFT1G onsemi POWER MOSFET, SINGLE, N-CHANNEL,	 NVMFS5A140PLZT1G onsemi MOSFET P-CH 40V 20A/140A 5DFN	 NVMFS5C410NAFT1G onsemi MOSFET N-CH 40V 46A/300A 5DFN	 NVMFS5C404NLWFAFT1G onsemi MOSFET N-CH 40V 370A 5DFN
 NVMFS5C410NWFT1G onsemi MOSFET N-CH 40V 5DFN	 NVMFS5C406NT1G onsemi MOSFET N-CH 40V 52A/353A 5DFN	 NVMFS5C420NLT1G onsemi POWER MOSFET, SINGLE, N-CHANNEL,	 NVMFS5C404NLWFT1G onsemi MOSFET N-CH 40V 49A/352A 5DFN	 NVMFS5C410NLAFT1G onsemi MOSFET N-CH 40V 50A/330A 5DFN	 NVMFS5C410NLT1G onsemi MOSFET N-CH 40V 48A/315A 5DFN
 NVMFS5A160PLZT1G AMI Semiconductor / ON Semiconductor -60V7.7MOHMSINGLE	 NVMFS5C410NLWFT3G onsemi MOSFET N-CH 40V 48A/315A 5DFN	 NVMFS5C410NWFAFT1G onsemi MOSFET N-CH 40V 46A/300A 5DFN	 NVMFS5C404NLAFT1G onsemi MOSFET N-CH 40V 370A 5DFN	 NVMFS5C404NT1G onsemi MOSFET N-CH 40V 49A 5DFN	 NVMFS5A160PLZWFT1G onsemi MOSFET P-CH 60V 15A/100A 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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Certifications & Memberships



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