



# NVMF5C410NWFAPT1G

Manufacturer Part Number	<b>NVMF5C410NWFAPT1G</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-NVMF5C410NWFAPT1G
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 40V 46A/300A 5DFN
Package	8-PowerTDFN, 5 Leads
Data sheet	<b>NVMF5C410N.pdf</b>
RoHs Status	ROHS3 Compliant



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## Specifications

NVMF5C410NWFAPT1G Tech Specifications

NVMF5C410NWFAPT1G - 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	3.5V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	6100 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	86 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	0.92mOhm @ 50A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	3.9W (Ta), 166W (Tc)	Drain to Source Voltage (Vdss)	40 V
Package / Case	8-PowerTDFN, 5 Leads	Current - Continuous Drain (Id) @ 25°C	46A (Ta), 300A (Tc)
Package	Tape & Reel (TR)	Base Product Number	NVMF55

## Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NVMF5C410NWFAPT1G

Product Attribute	NO PICTURE			
Part Number	NVMF5C410NWFAPT1G	NVMF5C406NT1G	NVMF5C404NLWFT1G	NVMF5C410NWF1G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Drain to Source Voltage (Vdss)	40 V	40 V	40 V	40 V
Power Dissipation (Max)	3.9W (Ta), 166W (Tc)	3.9W (Ta), 179W (Tc)	3.9W (Ta), 200W (Tc)	3.9W (Ta), 166W (Tc)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Rds On (Max) @ Id, Vgs	0.92mOhm @ 50A, 10V	0.8mOhm @ 50A, 10V	0.75mOhm @ 50A, 10V	0.92mOhm @ 50A, 10V
Input Capacitance (Ciss) (Max) @ Vds	6100 pF @ 25 V	7288 pF @ 20 V	12168 pF @ 25 V	6100 pF @ 25 V
Series	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	4.5V, 10V	10V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Continuous Drain (Id) @ 25°C	46A (Ta), 300A (Tc)	52A (Ta), 353A (Tc)	49A (Ta), 352A (Tc)	300A (Tc)
Base Product Number	NVMF55	NVMF55	NVMF55	NVMF55
Vgs(th) (Max) @ Id	3.5V @ 250µA	4V @ 280µA	2V @ 250µA	3.5V @ 250µA
Vgs (Max)	±20V	±20V	±20V	±20V
Package / Case	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Gate Charge (Qg) (Max) @ Vgs	86 nC @ 10 V	110 nC @ 10 V	181 nC @ 10 V	86 nC @ 10 V
Supplier Device Package	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)
FET Feature	-	-	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)

## NVMF5C410NWFAPT1G Datasheet PDF

Download NVMF5C410NWFAPT1G pdf datasheets and onsemi documentation for NVMF5C410NWFAPT1G - onsemi.

### Datasheets

NVMF5C410N.pdf







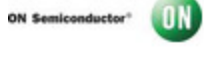
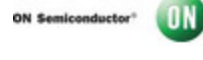
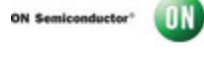
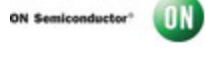
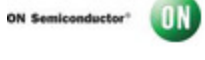
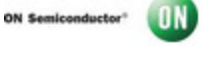
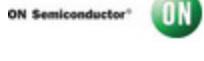



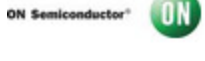

### Environmental Information

onsemi RoHS.pdf

### PCN Assembly/Origin

## Customers Also Interested in

### Recommended Products

 <b>NVMFS5C406NT1G</b> onsemi MOSFET N-CH 40V 52A/353A 5DFN	 <b>NVMFS5C404NLWFT1G</b> onsemi MOSFET N-CH 40V 49A/352A 5DFN	 <b>NVMFS5C410NWFT1G</b> onsemi MOSFET N-CH 40V 5DFN	 <b>NVMFS5C426NWFAPT1G</b> onsemi MOSFET N-CH 40V 41A/235A 5DFN	 <b>NVMFS5C410NLAF1G</b> onsemi MOSFET N-CH 40V 50A/330A 5DFN	 <b>NVMFS5C426NAFT1G</b> onsemi MOSFET N-CH 40V 41A/235A 5DFN
 <b>NVMFS5C410NLWFT3G</b> onsemi MOSFET N-CH 40V 48A/315A 5DFN	 <b>NVMFS5C404NWFT1G</b> onsemi MOSFET N-CH 40V 53A/378A 5DFN	 <b>NVMFS5C423NLAF1G</b> onsemi MOSFET N-CH 40V 31A/150A 5DFN	 <b>NVMFS5C420NT1G</b> onsemi POWER MOSFET, N-CHANNEL, SO8FL,	 <b>NVMFS5C404NT1G</b> onsemi MOSFET N-CH 40V 49A 5DFN	 <b>NVMFS5C410NLT1G</b> onsemi MOSFET N-CH 40V 48A/315A 5DFN
 <b>NVMFS5C423NLWFAPT1G</b> onsemi MOSFET N-CH 40V 31A/150A 5DFN	 <b>NVMFS5C410NLWFT1G</b> onsemi MOSFET N-CH 40V 48A/315A 5DFN	 <b>NVMFS5C420NLT1G</b> onsemi POWER MOSFET, SINGLE, N-CHANNEL,	 <b>NVMFS5C404NLWFAPT1G</b> onsemi MOSFET N-CH 40V 370A 5DFN	 <b>NVMFS5C410NAFT1G</b> onsemi MOSFET N-CH 40V 46A/300A 5DFN	 <b>NVMFS5C420NLWFT1G</b> onsemi POWER MOSFET, SINGLE, N-CHANNEL,

## 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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### Certifications & Memberships



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