





NVMFD5C462NT1G

Manufacturer Part Number	NVMFD5C462NT1G
Manufacturer	onsemi
Allelco Part Number	32D-NVMFD5C462NT1G
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	40V 5.4 MOHM T8 S08FL DUA
Package	8-PowerTDFN
Data sheet	NVMFD5C462N.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

NVMFD5C462NT1G - onsemi.New Original in Stock. Download Linear Technology NVMFD5C462NT1G datasheet/specifications on AllelcoElec.com.

Request a quote for NVMFD5C462NT1G, please send us email: info@allelco.com

Specifications





NVMFD5C462NT1G Tech Specifications

NVMFD5C462NT1G - 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
Technology	MOSFET (Metal Oxide)	Input Capacitance (Ciss) (Max) @ Vds	1020pF @ 25V
Supplier Device Package	8-DFN (5x6) Dual Flag (SO8FL-Dual)	Gate Charge (Qg) (Max) @ Vgs	16nC @ 10V
Series	Automotive, AEC-Q101	FET Feature	-
Rds On (Max) @ Id, Vgs	5.4mOhm @ 25A, 10V	Drain to Source Voltage (Vdss)	40V
Power - Max	3.2W (Ta), 50W (Tc)	Current - Continuous Drain (Id) @ 25°C	17.6A (Ta), 70A (Tc)
Package / Case	8-PowerTDFN	Configuration	2 N-Channel (Dual)
Package	Tape & Reel (TR)	Base Product Number	NVMFD5

Parts with Similar Specifications

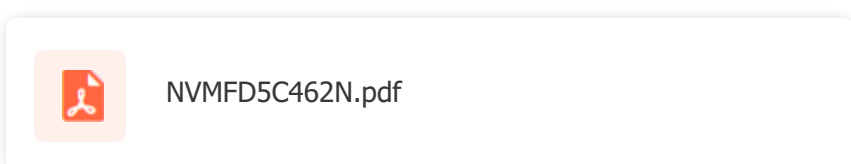
The three parts on the right have similar specifications to onsemi NVMFD5C462NT1G

Product Attribute	 NO PICTURE			
Part Number	NVMFD5C462NT1G	NVMFD5C466NLWFT1G	NVMFD5877NLT3G	NVMFD5877NLWFT1G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Package / Case	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN	8-PowerTDFN
Vgs(th) (Max) @ Id	3.5V @ 250µA	2.2V @ 30µA	3V @ 250µA	3V @ 250µA
Configuration	2 N-Channel (Dual)	2 N-Channel (Dual)	2 N-Channel (Dual)	2 N-Channel (Dual)
Power - Max	3.2W (Ta), 50W (Tc)	3W (Ta), 40W (Tc)	3.2W	3.2W
Supplier Device Package	8-DFN (5x6) Dual Flag (SO8FL-Dual)	8-DFN (5x6) Dual Flag (SO8FL-Dual)	8-DFN (5x6) Dual Flag (SO8FL-Dual)	8-DFN (5x6) Dual Flag (SO8FL-Dual)
Drain to Source Voltage (Vdss)	40V	40V	60V	60V
Base Product Number	NVMFD5	NVMFD5	NVMFD5877	NVMFD5877
Input Capacitance (Ciss) (Max) @ Vds	1020pF @ 25V	997pF @ 25V	540pF @ 25V	540pF @ 25V
Series	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
FET Feature	-	-	Logic Level Gate	Logic Level Gate
Gate Charge (Qg) (Max) @ Vgs	16nC @ 10V	7nC @ 4.5V	20nC @ 10V	20nC @ 10V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Current - Continuous Drain (Id) @ 25°C	17.6A (Ta), 70A (Tc)	14A (Ta), 52A (Tc)	6A	6A
Rds On (Max) @ Id, Vgs	5.4mOhm @ 25A, 10V	7.4mOhm @ 10A, 10V	39mOhm @ 7.5A, 10V	39mOhm @ 7.5A, 10V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)

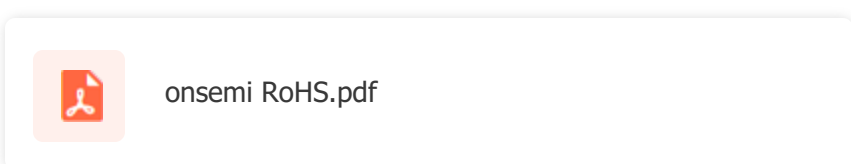
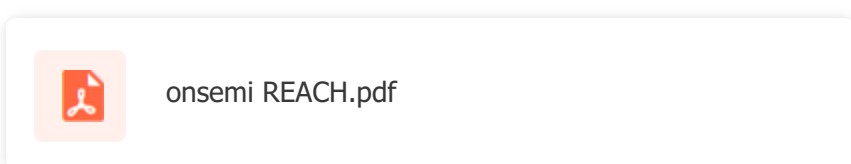
NVMFD5C462NT1G Datasheet PDF

Download NVMFD5C462NT1G pdf datasheets and onsemi documentation for NVMFD5C462NT1G - onsemi.

Datasheets


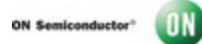
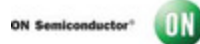
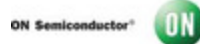
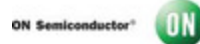
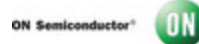







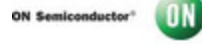
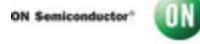
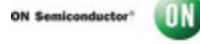
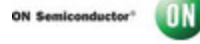



Environmental Information



Customers Also Interested in

Recommended Products

 NVMFD5C466NLWFT1G onsemi MOSFET 2N-CH 40V 52A S08FL	 NVMFD5877NLT3G onsemi MOSFET 2N-CH 60V 6A 8SOIC	 NVMFD5877NLWFT1G onsemi MOSFET 2N-CH 60V 6A S08FL	 NVMFD5853NWFT1G onsemi MOSFET 2N-CH 40V 12A S08FL	 NVMFD5875NLT1G onsemi MOSFET 2N-CH 60V 7A S08FL	 NVMFD5877NLT1G onsemi MOSFET 2N-CH 60V 6A 8SOIC
 NVMFD5C478NT1G onsemi 40V 17 MOHM T6 S08FL DUAL	 NVMFD5C470NT1G onsemi 40V 11.7 MOHM T8 S08FL DU	 NVMFD5C470NLT1G onsemi MOSFET 2N-CH 40V 36A S08FL	 NVMFD5C462NLWFT1G onsemi MOSFET 2N-CH 40V 84A S08FL	 NVMFD5C466NT1G onsemi 40V 8.1 MOHM T8 S08FL DUA	 NVMFD5C466NLT1G onsemi MOSFET 2N-CH 40V 52A S08FL
 NVMFD5C462NWFT1G onsemi 40V 5.4 MOHM T8 S08FL DUA	 NVMFD5C446NLT1G onsemi MOSFET 2N-CH 40V 145A S08FL	 NVMFD5873NLT1G onsemi MOSFET 2N-CH 60V 10A S08FL	 NVMFD5873NLWFT1G onsemi MOSFET 2N-CH 60V 10A S08FL	 NVMFD5C478NWFT1G onsemi 40V 17 MOHM T8 S08FL DUAL	 NVMFD5C478NLWFT1G onsemi 40V 14.5 MOHM T8 S08FL DU

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

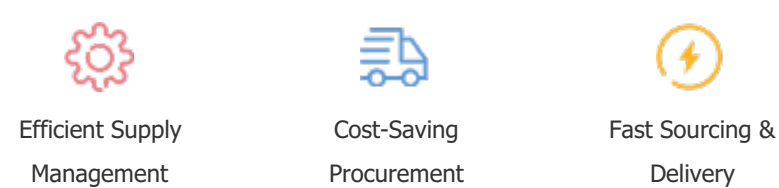
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

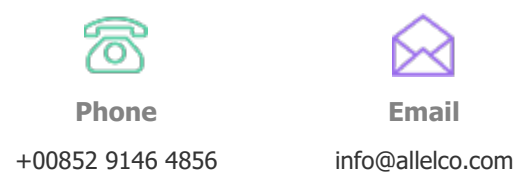
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



[View More](#)