



NVMFS6B14NLT1G

Manufacturer Part Number	NVMFS6B14NLT1G
Manufacturer	onsemi
Allelco Part Number	32D-NVMFS6B14NLT1G
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 100V 11A/55A SDFN
Package	8-PowerTDFN, 5 Leads
Data sheet	NVMFS6B14NLT1G.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

NVMFS6B14NLT1G - onsemi.New Original in Stock. Download Linear Technology NVMFS6B14NLT1G datasheet/specifications on AllelcoElec.com.

Request a quote for NVMFS6B14NLT1G, please send us email: info@allelco.com

Specifications

NVMFS6B14NLT1G Tech Specifications

NVMFS6B14NLT1G - 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	3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±16V	Input Capacitance (Ciss) (Max) @ Vds	1680 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	8 nC @ 4.5 V
Supplier Device Package	5-DFN (5x6) (8-SOFL)	FET Type	N-Channel
Series	Automotive, AEC-Q101	FET Feature	-
Rds On (Max) @ Id, Vgs	13mOhm @ 20A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	3.8W (Ta), 94W (Tc)	Drain to Source Voltage (Vdss)	100 V
Package / Case	8-PowerTDFN, 5 Leads	Current - Continuous Drain (Id) @ 25°C	11A (Ta), 55A (Tc)
Package	Tape & Reel (TR)	Base Product Number	NVMFS6

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NVMFS6B14NLT1G

Product Attribute	NO PICTURE			
Part Number	NVMFS6B14NLT1G	NVMFS6B14NLWFT1G	NVMFS6B05NLWFT3G	NVMFS5C682NLT3G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Drain to Source Voltage (Vdss)	100 V	100 V	100 V	60 V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	3V @ 250µA	3V @ 250µA	3V @ 250µA	2V @ 16µA
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Series	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101
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
Rds On (Max) @ Id, Vgs	13mOhm @ 20A, 10V	13mOhm @ 20A, 10V	5.6mOhm @ 20A, 10V	21mOhm @ 10A, 10V
Current - Continuous Drain (Id) @ 25°C	11A (Ta), 55A (Tc)	11A (Ta), 55A (Tc)	114A (Tc)	25A (Tc)
Power Dissipation (Max)	3.8W (Ta), 94W (Tc)	3.8W (Ta), 94W (Tc)	3.8W (Ta), 165W (Tc)	3.5W (Ta), 28W (Tc)
Base Product Number	NVMFS6	NVMFS6	-	NVMFS5
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Supplier Device Package	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)
Gate Charge (Qg) (Max) @ Vgs	8 nC @ 4.5 V	8 nC @ 4.5 V	6.8 nC @ 10 V	5 nC @ 10 V
Vgs (Max)	±16V	±16V	±16V	±20V
FET Feature	-	-	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Bulk	Tape & Reel (TR)
Input Capacitance (Ciss) (Max) @ Vds	1680 pF @ 25 V	1680 pF @ 25 V	3980 pF @ 25 V	410 pF @ 25 V

NVMFS6B14NLT1G Datasheet PDF

Download NVMFS6B14NLT1G pdf datasheets and onsemi documentation for NVMFS6B14NLT1G - onsemi.

Environmental Information

onsemi REACH.pdf

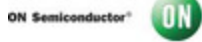


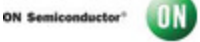
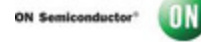
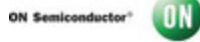
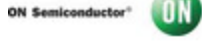
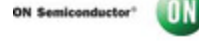
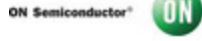
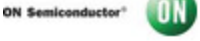
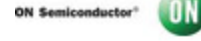
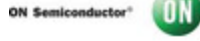
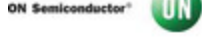
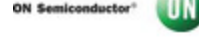
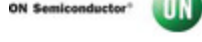
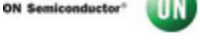
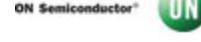
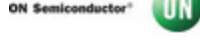
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PCN Obsolescence/ EOL

Mult Dev EOL 7/Apr/2021.pdf

Customers Also Interested in

Recommended Products

 NVMFS6B14NLWFT1G onsemi MOSFET N-CH 100V 11A/55A 5DFN	 NVMFS6B05NLWFT3G onsemi NVMFS6B05 - SINGLE N-CHANNEL POW	 NVMFS5C682NLT3G onsemi MOSFET N-CH 60V 5DFN	 NVMFS6B14NLWFT3G onsemi MOSFET N-CH 100V 11A/55A 5DFN	 NVMFS5H663NLT1G onsemi MOSFET N-CH 60V 16.2A/67A 5DFN	 NVMFS6B14NWFT1G onsemi MOSFET N-CH 100V 5DFN
 NVMFS6B05NLT1G onsemi SINGLE N-CHANNEL POWER MOSFET 10	 NVMFS6H800NT1G onsemi MOSFET N-CH 80V 28A/203A 5DFN	 NVMFS5C680NLWFT1G onsemi MOSFET N-CH 60V 8.1A/21A 5DFN	 NVMFS6B85NLT3G onsemi MOSFET N-CH 100V 5.6A/19A 5DFN	 NVMFS6B14NLT3G onsemi MOSFET N-CH 100V 11A/55A 5DFN	 NVMFS5C682NLWFAFT1G onsemi MOSFET N-CH 60V 8.8A/25A 5DFN
 NVMFS6B05NT1G onsemi MOSFET N-CH 100V 5DFN	 NVMFS6B25NLWFT1G onsemi NVMFS6B25 - SINGLE N-CHANNEL POW	 NVMFS5C682NLT1G onsemi MOSFET N-CH 60V 5DFN	 NVMFS6B14NT1G onsemi MOSFET N-CH 100V 15A S08FL	 NVMFS6B03NWFT1G onsemi MOSFET N-CH 100V 5DFN	 NVMFS5C682NLAFT1G onsemi MOSFET N-CH 60V 8.8A/25A 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

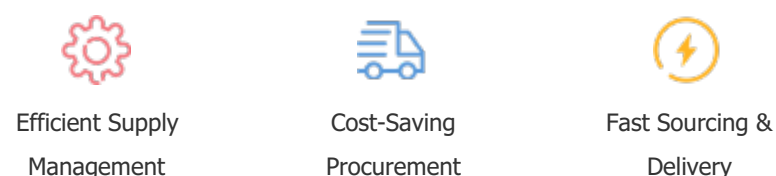
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

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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