





NVTF55C670NLTAG

Manufacturer Part Number	NVTF55C670NLTAG
Manufacturer	onsemi
Allelco Part Number	32D-NVTF55C670NLTAG
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 60V 16A/70A 8WDFN
Package	8-PowerWDFN
Data sheet	NVTF55C670NL.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

NVTF55C670NLTAG - onsemi.New Original in Stock. Download Linear Technology NVTF55C670NLTAG datasheet/specifications on AllelcoElec.com.
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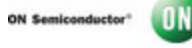
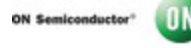
Specifications

NVTF55C670NLTAG Tech Specifications
NVTF55C670NLTAG - 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	1400 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	20 nC @ 10 V
Supplier Device Package	8-WDFN (3.3x3.3)	FET Type	N-Channel
Series	Automotive, AEC-Q101	FET Feature	-
Rds On (Max) @ Id, Vgs	6.8mOhm @ 35A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	3.2W (Ta), 63W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	8-PowerWDFN	Current - Continuous Drain (Id) @ 25°C	16A (Ta), 70A (Tc)
Package	Tape & Reel (TR)	Base Product Number	NVTF55

Parts with Similar Specifications


The three parts on the right have similar specifications to onsemi NVTF55C670NLTAG

Product Attribute	 NO PICTURE			
Part Number	NVTF55C670NLTAG	NVTF55C673NLWFTAG	NVTF56H850NTAG	NVTF56H850NLTAG
Manufacturer	onsemi	onsemi	onsemi	onsemi
Vgs (Max)	±20V	±20V	±20V	±20V
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	10V	4.5V, 10V
Gate Charge (Qg) (Max) @ Vgs	20 nC @ 10 V	9.5 nC @ 10 V	19 nC @ 10 V	26 nC @ 10 V
Base Product Number	NVTF55	NVTF55	NVTF56	NVTF56
Current - Continuous Drain (Id) @ 25°C	16A (Ta), 70A (Tc)	13A (Ta), 50A (Tc)	11A (Ta), 68A (Tc)	14.8A (Ta), 64A (Tc)
Power Dissipation (Max)	3.2W (Ta), 63W (Tc)	3.1W (Ta), 46W (Tc)	3.2W (Ta), 107W (Tc)	3.9W (Ta), 73W (Tc)
Vgs(th) (Max) @ Id	2V @ 250µA	2V @ 250µA	4V @ 70µA	2V @ 70µA
Input Capacitance (Ciss) (Max) @ Vds	1400 pF @ 25 V	880 pF @ 25 V	1140 pF @ 40 V	1450 pF @ 40 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)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Series	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101
Drain to Source Voltage (Vdss)	60 V	60 V	80 V	80 V
FET Feature	-	-	-	-
Rds On (Max) @ Id, Vgs	6.8mOhm @ 35A, 10V	9.8mOhm @ 25A, 10V	9.5mOhm @ 10A, 10V	8.6mOhm @ 10A, 10V
Package / Case	8-PowerWDFN	8-PowerWDFN	8-PowerWDFN	8-PowerWDFN
Supplier Device Package	8-WDFN (3.3x3.3)	8-WDFN (3.3x3.3)	8-WDFN (3.3x3.3)	8-WDFN (3.3x3.3)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel


NVTF55C670NLTAG Datasheet PDF


Download NVTF55C670NLTAG pdf datasheets and onsemi documentation for NVTF55C670NLTAG - onsemi.

Datasheets


[NVTF55C670NL.pdf](#)








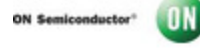




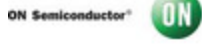
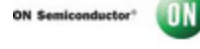
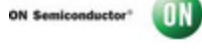
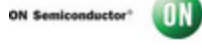
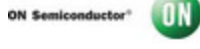
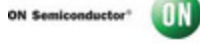
Environmental Information


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Customers Also Interested in

Recommended Products

 NVTF55C673NLWFTAG onsemi MOSFET N-CH 60V 13A/50A 8WDFN	 NVTF56H850NTAG onsemi MOSFET N-CH 80V 11A/68A 8WDFN	 NVTF56H850NLTAG onsemi MOSFET N-CH 80V 14.8A/64A 8WDFN	 NVTF55826NLWFTWG onsemi MOSFET N-CH 60V 7.6A 8WDFN	 NVTF55C680NLWFTAG onsemi MOSFET N-CH 60V 7.82A/20A 8WDFN	 NVTF56H888NTAG onsemi MOSFET N-CH 80V 4.7A/12A 8WDFN
 NVTF55C466NLWFTAG onsemi MOSFET N-CHANNEL 40V 51A 8WDFN	 NVTF55826NLWFTAG onsemi MOSFET N-CH 60V 7.6A 8WDFN	 NVTF55C658NLTAG onsemi MOSFET N-CH 60V 109A 8WDFN	 NVTF55C453NLTAG onsemi MOSFET N-CH 40V 107A 8WDFN	 NVTFWS015N04CTAG onsemi MOSFET N-CH 40V 9.4A/27A 8WDFN	 NVTF55C478NLTAG onsemi MOSFET N-CHANNEL 40V 26A 8WDFN
 NVTF55C673NLTAG onsemi MOSFET N-CH 60V 13A/50A 8WDFN	 NVTF56H880NTAG onsemi MOSFET N-CH 80V 6.3A/21A 8WDFN	 NVTF55C680NLTAG onsemi MOSFET N-CH 60V 7.82A/20A 8WDFN	 NVTF55C478NLWFTAG onsemi MOSFET N-CHANNEL 40V 26A 8WDFN	 NVTF55C471NLTAG onsemi MOSFET N-CHANNEL 40V 41A 8WDFN	 NVTF59D6P04M8LTAG onsemi MOSFET P-CH 40V 13A/64A 8WDFN

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.

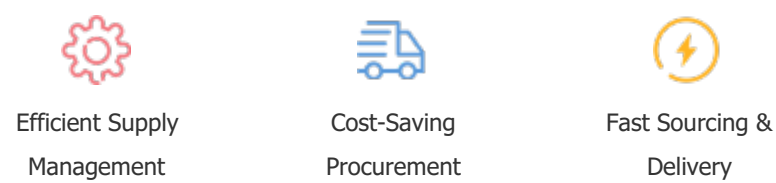
Payment Support

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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