





NTTFS4C02NTAG

Manufacturer Part Number	NTTFS4C02NTAG
Manufacturer	onsemi
Allelco Part Number	32D-NTTFS4C02NTAG
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 30V 170A 8WDFN
Package	8-PowerWDFN
Data sheet	NTTFS4C02N.pdf
RoHs Status	 ROHS3 Compliant



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NTTFS4C02NTAG - onsemi.New Original in Stock. Download Linear Technology NTTFS4C02NTAG datasheet/specifications on AllelcoElec.com.

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Specifications





NTTFS4C02NTAG Tech Specifications

NTTFS4C02NTAG - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	2.2V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	2980 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	20 nC @ 4.5 V
Supplier Device Package	8-WDFN (3.3x3.3)	FET Type	N-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	2.25mOhm @ 20A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	91W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	8-PowerWDFN	Current - Continuous Drain (Id) @ 25°C	170A (Tc)
Package	Tape & Reel (TR)	Base Product Number	NTTFS4

Parts with Similar Specifications


The three parts on the right have similar specifications to onsemi NTTFS4C02NTAG

Product Attribute	 NO PICTURE			
Part Number	NTTFS4C02NTAG	NTTFS4941NTAG	NTTFS4C10NTAG	NTTFS4985NFTAG
Manufacturer	onsemi	onsemi	onsemi	onsemi
Package / Case	8-PowerWDFN	8-PowerWDFN	8-PowerWDFN	8-PowerWDFN
Current - Continuous Drain (Id) @ 25°C	170A (Tc)	8.3A (Ta), 46A (Tc)	8.2A (Ta), 44A (Tc)	16.3A (Ta), 64A (Tc)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Power Dissipation (Max)	91W (Tc)	840mW (Ta), 25.5W (Tc)	790mW (Ta), 23.6W (Tc)	1.47W (Ta), 22.73W (Tc)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Supplier Device Package	8-WDFN (3.3x3.3)	8-WDFN (3.3x3.3)	8-WDFN (3.3x3.3)	8-WDFN (3.3x3.3)
Gate Charge (Qg) (Max) @ Vgs	20 nC @ 4.5 V	22.8 nC @ 10 V	18.6 nC @ 10 V	29.4 nC @ 10 V
Vgs (Max)	±20V	±20V	±20V	±20V
Base Product Number	NTTFS4	NTTFS4	NTTFS4	NTTFS4985
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	4.5V, 10V	4.5V, 10V	4.5V, 10V
Input Capacitance (Ciss) (Max) @ Vds	2980 pF @ 15 V	1619 pF @ 15 V	993 pF @ 15 V	2075 pF @ 15 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Rds On (Max) @ Id, Vgs	2.25mOhm @ 20A, 10V	6.2mOhm @ 20A, 10V	7.4mOhm @ 30A, 10V	3.5mOhm @ 20A, 10V
FET Feature	-	-	-	-
Vgs(th) (Max) @ Id	2.2V @ 250µA	2.2V @ 250µA	2.2V @ 250µA	2.3V @ 250µA
Drain to Source Voltage (Vdss)	30 V	30 V	30 V	30 V
Series	-	-	-	-


NTTFS4C02NTAG Datasheet PDF


Download NTTFS4C02NTAG pdf datasheets and onsemi documentation for NTTFS4C02NTAG - onsemi.

Datasheets


[NTTFS4C02N.pdf](#)

Environmental Information








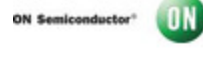
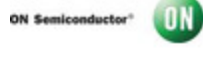

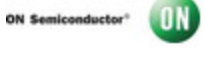

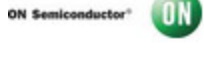






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PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 NTTFS4941NTAG onsemi MOSFET N-CH 30V 8.3A/46A 8WDFN	 NTTFS4C08N AMI Semiconductor/onsemi	 NTTFS4C10NTAG onsemi MOSFET N-CH 30V 8.2A/44A 8WDFN	 NTTFS4985NFTAG onsemi MOSFET N-CH 30V 16.3A/64A 8WDFN	 NTTFS4C06NTAG onsemi MOSFET N-CH 30V 11A/67A 8WDFN	 NTTFS4943NTAG onsemi MOSFET N-CH 30V 8A/41A 8WDFN
 NTTFS4937NTAG onsemi MOSFET N-CH 30V 11A/75A 8WDFN	 NTTFS4C05NTWG onsemi MOSFET N-CH 30V 12A/75A 8WDFN	 NTTFS4945NTAG onsemi MOSFET N-CH 30V 7.1A/34A 8WDFN	 NTTFS4C08NTAG onsemi MOSFET N-CH 30V 9.3A 8WDFN	 NTTFS4C08NTWG onsemi MOSFET N-CH 30V 9.3A 8WDFN	 NTTFS4C05NTAG onsemi MOSFET N-CH 30V 12A/75A 8WDFN
 NTTFS4C025NTAG onsemi NFET U8FL 30V 65A 6.1MOH	 NTTFS4937NTWG onsemi MOSFET N-CH 30V 11A/75A 8WDFN	 NTTFS4932NTAG onsemi MOSFET N-CH 30V 11A/79A 8WDFN	 NTTFS4C06NTWG onsemi MOSFET N-CH 30V 11A/67A 8WDFN	 NTTFS4939NTAG onsemi MOSFET N-CH 30V 8.9A/52A 8WDFN	 NTTFS4932N AMI Semiconductor/onsemi

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.

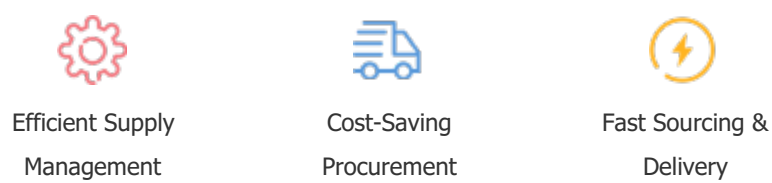
Payment Support

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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Contact us if you have any questions.



Certifications & Memberships



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