





NTMFS002P03P8ZT1G

Manufacturer Part Number	NTMFS002P03P8ZT1G
Manufacturer	onsemi
Allelco Part Number	32D-NTMFS002P03P8ZT1G
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET, POWER -30V P-CHANNEL, SO
Package	8-PowerTDFN, 5 Leads
Data sheet	NTMFS002P03P8Z.pdf
RoHs Status	 ROHS3 Compliant



Get a Quote

NTMFS002P03P8ZT1G - onsemi.New Original in Stock. Download Linear Technology NTMFS002P03P8ZT1G datasheet/specifications on AllelcoElec.com.

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Specifications





NTMFS002P03P8ZT1G Tech Specifications

NTMFS002P03P8ZT1G - 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	3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±25V	Input Capacitance (Ciss) (Max) @ Vds	14950 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	217 nC @ 4.5 V
Supplier Device Package	5-DFN (5x6) (8-SOFL)	FET Type	P-Channel
Series	-	FET Feature	-
Rds On (Max) @ Id, Vgs	1.4mOhm @ 23A, 10V	Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V
Power Dissipation (Max)	3.3W (Ta), 138.9W (Tc)	Drain to Source Voltage (Vdss)	30 V
Package / Case	8-PowerTDFN, 5 Leads	Current - Continuous Drain (Id) @ 25°C	40.2A (Ta), 263A (Tc)
Package	Tape & Reel (TR)		

Parts with Similar Specifications

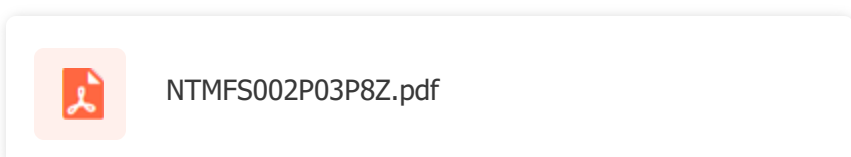
The three parts on the right have similar specifications to onsemi NTMFS002P03P8ZT1G

Product Attribute	 NO PICTURE			
Part Number	NTMFS002P03P8ZT1G	NTMFS011N15MC	NTMFS008N12MCT1G	NTMFS0D7N03CGT1G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Input Capacitance (Ciss) (Max) @ Vds	14950 pF @ 15 V	3592 pF @ 75 V	2705 pF @ 60 V	12300 pF @ 15 V
Series	-	-	-	-
FET Feature	-	-	-	-
FET Type	P-Channel	N-Channel	N-Channel	N-Channel
Gate Charge (Qg) (Max) @ Vgs	217 nC @ 4.5 V	46 nC @ 10 V	33 nC @ 10 V	147 nC @ 10 V
Rds On (Max) @ Id, Vgs	1.4mOhm @ 23A, 10V	11.5mOhm @ 35A, 10V	8mOhm @ 36A, 10V	0.65mOhm @ 30A, 10V
Power Dissipation (Max)	3.3W (Ta), 138.9W (Tc)	2.7W (Ta), 147W (Tc)	2.7W (Ta), 102W (Tc)	4W (Ta), 187W (Tc)
Package / Case	8-PowerTDFN, 5 Leads	8-PowerTDFN	8-PowerTDFN, 5 Leads	8-PowerTDFN, 5 Leads
Drain to Source Voltage (Vdss)	30 V	150 V	120 V	30 V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Continuous Drain (Id) @ 25°C	40.2A (Ta), 263A (Tc)	10.7A (Ta), 78A (Tc)	12A (Ta), 79A (Tc)	59A (Ta), 409A (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)
Vgs (Max)	±25V	±20V	±20V	±20V
Vgs(th) (Max) @ Id	3V @ 250µA	4.5V @ 194µA	4V @ 200µA	2.2V @ 280µA
Supplier Device Package	5-DFN (5x6) (8-SOFL)	8-PQFN (5x6)	5-DFN (5x6) (8-SOFL)	5-DFN (5x6) (8-SOFL)
Drive Voltage (Max Rds On, Min Rds On)	4.5V, 10V	8V, 10V	6V, 10V	10V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)

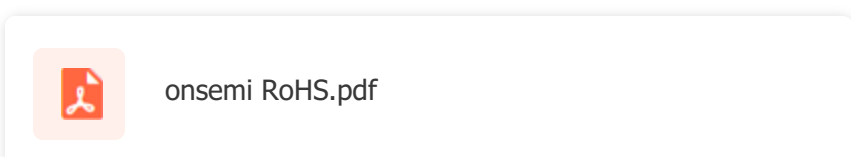
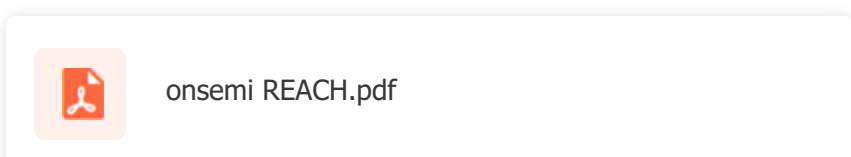
NTMFS002P03P8ZT1G Datasheet PDF

Download NTMFS002P03P8ZT1G pdf datasheets and onsemi documentation for NTMFS002P03P8ZT1G - onsemi.

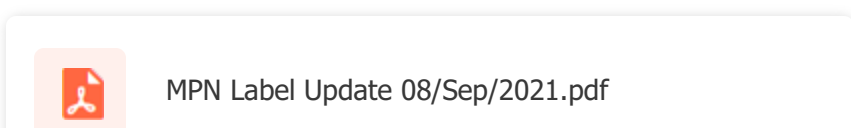
Datasheets



Environmental Information





















PCN Packaging



Customers Also Interested in

Recommended Products

 NTMFD4C86NT3G onsemi MOSFET 2N-CH 30V 11.3/18.1A 8DFN	 NTMFD4C85NT1G onsemi MOSFET 2N-CH 30V 8DFN	 NTMFD4H089NFT1G AMI Semiconductor/onsemi	 NTMFS011N15MC onsemi MOSFET N-CH 150V 10.7A/78A 8PQFN	 NTMFS008N12MCT1G onsemi SINGLE N-CHANNEL POWER MOSFET 12	 NTMFD4C86NFT1G AMI Semiconductor/onsemi
 NTMFS0D7N03CGT1G onsemi MOSFET N-CH 30V 59A/409A 5DFN	 NTMFS0D9N03CGT1G onsemi MOSFET N-CH 30V 48A/298A 5DFN	 NTMFD4C87NT1G onsemi MOSFET 2N-CH 30V 8DFN	 NTMFS0D55N03CGT1G onsemi WIDE SOA	 NTMFD4C86NT1G onsemi MOSFET 2N-CH 30V 8DFN	 NTMFS015N15MC onsemi MOSFET N-CH 150V 9.2A/61A 8PQFN
 NTMFD4C85NT1G MOS AMI Semiconductor/onsemi	 NTMFS4108NT3G onsemi MOSFET N-CH 30V 13.5A 5DFN	 NTMFD4H088NFT1G AMI Semiconductor/onsemi	 NTMFS4108NT1G onsemi MOSFET N-CH 30V 13.5A 5DFN	 NTMFD5C674NLT1G onsemi T6 60V LL S08FL DS	 NTMFD4C86NT1G MOS 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

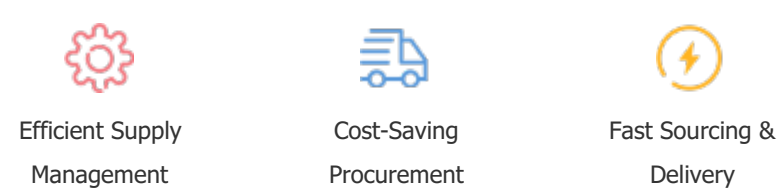
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support

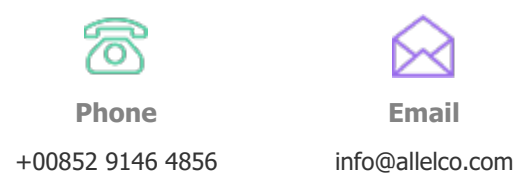
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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