

Image may be representation.
See specifications for product details.



NTP190N65S3HF

Manufacturer Part Number	NTP190N65S3HF
Manufacturer	onsemi
Allelco Part Number	32D-NTP190N65S3HF
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 650V 20A TO220-3
Package	TO-220-3
Data sheet	NTP190N65S3HF.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

NTP190N65S3HF - onsemi.New Original in Stock. Download Linear Technology NTP190N65S3HF datasheet/specifications on AllelcoElec.com.
Request a quote for NTP190N65S3HF, please send us email: info@allelco.com

Specifications

NTP190N65S3HF Tech Specifications

NTP190N65S3HF - 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	5V @ 430µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	1610 pF @ 400 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	34 nC @ 10 V
Supplier Device Package	TO-220-3	FET Type	N-Channel
Series	FRFET®, SuperFET® III	FET Feature	-
Rds On (Max) @ Id, Vgs	190mOhm @ 10A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	162W (Tc)	Drain to Source Voltage (Vdss)	650 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	20A (Tc)
Package	Tube	Base Product Number	NTP190

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NTP190N65S3HF

Product Attribute				
Part Number	NTP190N65S3HF	NTP2955	NTP2955G	NTP125N02RG
Manufacturer	onsemi	onsemi	onsemi	onsemi
Base Product Number	NTP190	NTP295	NTP2955	NTP125
Package	Tube	Tube	Tube	Tube
Vgs (Max)	±30V	±20V	±20V	±20V
Series	FRFET®, SuperFET® III	-	-	-
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Current - Continuous Drain (Id) @ 25°C	20A (Tc)	2.4A (Ta)	2.4A (Ta)	15.9A (Ta)
Drain to Source Voltage (Vdss)	650 V	60 V	60 V	24 V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)
Rds On (Max) @ Id, Vgs	190mOhm @ 10A, 10V	196mOhm @ 12A, 10V	196mOhm @ 12A, 10V	4.6mOhm @ 20A, 10V
Vgs(th) (Max) @ Id	5V @ 430µA	4V @ 250µA	4V @ 250µA	2V @ 250µA
Power Dissipation (Max)	162W (Tc)	2.4W (Ta), 62.5W (Tc)	2.4W (Ta), 62.5W (Tc)	1.98W (Ta), 113.6W (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	4.5V, 10V
FET Feature	-	-	-	-
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Input Capacitance (Ciss) (Max) @ Vds	1610 pF @ 400 V	700 pF @ 25 V	700 pF @ 25 V	3440 pF @ 20 V
FET Type	N-Channel	P-Channel	P-Channel	N-Channel
Gate Charge (Qg) (Max) @ Vgs	34 nC @ 10 V	14 nC @ 10 V	14 nC @ 10 V	28 nC @ 4.5 V
Supplier Device Package	TO-220-3	TO-220	TO-220	TO-220

NTP190N65S3HF Datasheet PDF

Download NTP190N65S3HF pdf datasheets and onsemi documentation for NTP190N65S3HF - onsemi.

Datasheets

[NTP190N65S3HF.pdf](#)



















Environmental Information

[onsemi RoHS.pdf](#)

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

					
NTP2955 onsemi MOSFET P-CH 60V 2.4A TO220AB	NTP2955G onsemi MOSFET P-CH 60V 2.4A TO220AB	NTP125N02RG onsemi MOSFET N-CH 24V 15.9A TO220AB	NTP10N60 AMI Semiconductor/onsemi	NTP27N06G onsemi MOSFET N-CH 60V 27A TO220AB	NTP125N02R onsemi MOSFET PWR N-CH 125A 24V TO220AB
					
NTP13N10G onsemi MOSFET N-CH 100V 13A TO220AB	NTP1202A Sanken Electric Co., Ltd.	NTP30N06LG onsemi MOSFET N-CH 60V 30A TO220AB	NTP18N06G onsemi MOSFET N-CH 60V 15A TO220AB	NTP30N06L onsemi MOSFET N-CH 60V 30A TO220AB	NTP30N20G onsemi MOSFET N-CH 200V 30A TO220AB
					
NTP3000 NEOFIDELITY	NTP18N06LG onsemi MOSFET N-CH 60V 15A TO220AB	NTP18N06 onsemi MOSFET N-CH 60V 15A TO220AB	NTP18N06L onsemi MOSFET N-CH 60V 15A TO220AB	NTP227M6.3TRD(40) NTC	NTP3055L104G 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 -

 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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Contact us if you have any questions.

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Certifications & Memberships



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Contact us

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