



Image may be representation.
See specifications for product details.



STN4NF20L

Manufacturer Part Number	STN4NF20L
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STN4NF20L
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 200V 1A SOT-223
Package	TO-261-4, TO-261AA
Data sheet	STx4NF20L.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STN4NF20L - STMicroelectronics.New Original in Stock. Download Linear Technology STN4NF20L datasheet/specifications on AllelcoElec.com.
Request a quote for STN4NF20L, please send us email: info@allelco.com

Specifications

STN4NF20L Tech Specifications

STN4NF20L - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	3V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	150 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	0.9 nC @ 10 V
Supplier Device Package	SOT-223	FET Type	N-Channel
Series	STripFET™ II	FET Feature	-
Rds On (Max) @ Id, Vgs	1.50hm @ 500mA, 10V	Drive Voltage (Max Rds On, Min Rds On)	5V, 10V
Power Dissipation (Max)	3.3W (Tc)	Drain to Source Voltage (Vdss)	200 V
Package / Case	TO-261-4, TO-261AA	Current - Continuous Drain (Id) @ 25°C	1A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STN4NF20

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STN4NF20L

Product Attribute				
Part Number	STN4NF20L	STN5PF02V	STN4NF03L	STN6N60M2
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Drain to Source Voltage (Vdss)	200 V	20 V	30 V	600 V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Gate Charge (Qg) (Max) @ Vgs	0.9 nC @ 10 V	6 nC @ 2.5 V	9 nC @ 10 V	6.2 nC @ 10 V
Package / Case	TO-261-4, TO-261AA	TO-261-4, TO-261AA	TO-261-4, TO-261AA	TO-261-3
Series	STripFET™ II	STripFET™ II	STripFET™ II	MDmesh™ M2
FET Type	N-Channel	P-Channel	N-Channel	N-Channel
Vgs(th) (Max) @ Id	3V @ 250µA	450mV @ 250µA (Min)	1V @ 250µA	4V @ 250µA
Vgs (Max)	±20V	±8V	±16V	±25V
FET Feature	-	-	-	-
Rds On (Max) @ Id, Vgs	1.50hm @ 500mA, 10V	80mOhm @ 2.1A, 4.5V	50mOhm @ 2A, 10V	1.250hm @ 2A, 10V
Power Dissipation (Max)	3.3W (Tc)	2.5W (Tc)	3.3W (Tc)	6W (Tc)
Base Product Number	STN4NF20	STN5P	STN4NF03	STN6
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Input Capacitance (Ciss) (Max) @ Vds	150 pF @ 25 V	412 pF @ 15 V	330 pF @ 25 V	220 pF @ 100 V
Supplier Device Package	SOT-223	SOT-223	SOT-223	SOT-223-2
Current - Continuous Drain (Id) @ 25°C	1A (Tc)	4.2A (Tc)	6.5A (Tc)	5.5A (Tc)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Drive Voltage (Max Rds On, Min Rds On)	5V, 10V	2.5V, 4.5V	5V, 10V	10V

STN4NF20L Datasheet PDF

Download STN4NF20L pdf datasheets and STMicroelectronics documentation for STN4NF20L - STMicroelectronics.

Datasheets



















STx4NF20L.pdf

PCN Assembly/Origin

Carrier/Cover Tape Supplier 23/Sep/2021.pdf

Customers Also Interested in

Recommended Products

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STN4NE03L STMicroelectronics	STN4SF03L STMicroelectronics	STN4NF03 STMicroelectronics	STN715 STMicroelectronics TRANS NPN 80V 1.5A SOT223	STN5PF02V STMicroelectronics MOSFET P-CH 20V 4.2A SOT223	STN690A STMicroelectronics TRANS NPN 30V 3A SOT223
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STN5PF02V MOS STMicroelectronics	STN4NE03 STMicroelectronics	STN4NB25T4 STMicroelectronics	STN5NF10L-TR VBSEMI	STN4NF06L STMicroelectronics MOSFET N-CH 60V 4A SOT-223	STN4NF03 MOS STMicroelectronics

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

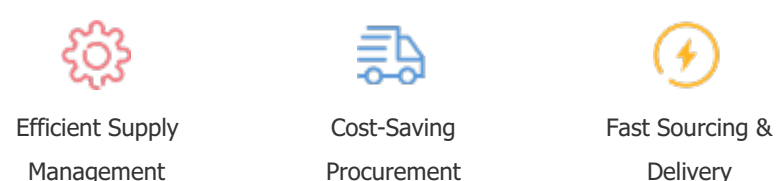
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

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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