



Image may be representation.
See specifications for product details.



STS6NF20V

Manufacturer Part Number	STS6NF20V
Manufacturer	STMicroelectronics
Allelco Part Number	32D-ST6NF20V
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 20V 6A 8SO
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	STS6NF20V.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STS6NF20V - STMicroelectronics.New Original in Stock. Download Linear Technology STS6NF20V datasheet/specifications on AllelcoElec.com.
Request a quote for STS6NF20V, please send us email: info@allelco.com

Specifications

STS6NF20V Tech Specifications
STS6NF20V - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	150°C (TJ)
Vgs(th) (Max) @ Id	600mV @ 250µA (Min)	Mounting Type	Surface Mount
Vgs (Max)	±12V	Input Capacitance (Ciss) (Max) @ Vds	460 pF @ 15 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	11.5 nC @ 4.5 V
Supplier Device Package	8-SOIC	FET Type	N-Channel
Series	STripFET™ II	FET Feature	-
Rds On (Max) @ Id, Vgs	40mOhm @ 3A, 4.5V	Drive Voltage (Max Rds On, Min Rds On)	1.95V, 4.5V
Power Dissipation (Max)	2.5W (Tc)	Drain to Source Voltage (Vdss)	20 V
Package / Case	8-SOIC (0.154", 3.90mm Width)	Current - Continuous Drain (Id) @ 25°C	6A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STS6NF20

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STS6NF20V

Product Attribute				
Part Number	STS6NF20V	STS7P4LLF6	STS6PF30L	STS5PF30L
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Supplier Device Package	8-SOIC	8-SO	8-SOIC	8-SOIC
FET Feature	-	-	-	-
Series	STripFET™ II	STripFET™ F6	STripFET™	STripFET™
Input Capacitance (Ciss) (Max) @ Vds	460 pF @ 15 V	2850 pF @ 25 V	1670 pF @ 25 V	1350 pF @ 25 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drive Voltage (Max Rds On, Min Rds On)	1.95V, 4.5V	4.5V, 10V	5V, 10V	4.5V, 10V
Current - Continuous Drain (Id) @ 25°C	6A (Tc)	7A (Tj)	6A (Tc)	5A (Tc)
Vgs(th) (Max) @ Id	600mV @ 250µA (Min)	1V @ 250µA (Min)	2.5V @ 250µA	2.5V @ 250µA
Rds On (Max) @ Id, Vgs	40mOhm @ 3A, 4.5V	20.5mOhm @ 3.5A, 10V	30mOhm @ 3A, 10V	55mOhm @ 2.5A, 10V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)
Drain to Source Voltage (Vdss)	20 V	40 V	30 V	30 V
Vgs (Max)	±12V	±20V	±16V	±16V
Base Product Number	STS6NF20	STS7P4	STS6P	STS5P
Gate Charge (Qg) (Max) @ Vgs	11.5 nC @ 4.5 V	22 nC @ 4.5 V	28 nC @ 5 V	16 nC @ 5 V
FET Type	N-Channel	P-Channel	P-Channel	P-Channel
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Power Dissipation (Max)	2.5W (Tc)	2.7W (Ta)	2.5W (Tc)	2.5W (Tc)
Operating Temperature	150°C (TJ)	150°C (TJ)	150°C (TJ)	-55°C ~ 150°C (TJ)

STS6NF20V Datasheet PDF

Download STS6NF20V pdf datasheets and STMicroelectronics documentation for STS6NF20V - STMicroelectronics.

Datasheets






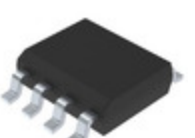








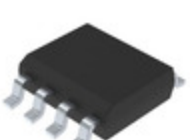



STS6NF20V.pdf

PCN Assembly/Origin

Mult Dev Assembly Chg 18/Oct/2019.pdf

Customers Also Interested in

Recommended Products

 life.augmented		 life.augmented	 life.augmented	 life.augmented	
STS7DNF30L STMicroelectronics	STS7P4LLF6 STMicroelectronics MOSFET P-CH 40V 7A POWER8-SO	STS6218ALF STMicroelectronics	STS6DNF30V STMicroelectronics	STS7NF60L MOS STMicroelectronics	STS6PF30L STMicroelectronics MOSFET P-CH 30V 6A 8SO
					
STS700 SOLIDSTATE	STS6218CLZ BAR	STS5PF30L STMicroelectronics MOSFET P-CH 30V 5A 8SO	STS6204A35PG BAR	STS6409 SAMHOP	STS7NF60L STMicroelectronics MOSFET N-CH 60V 7.5A 8SO
 life.augmented				 life.augmented	
STS5PF30L MOS STMicroelectronics	STS7C4F30L STMicroelectronics MOSFET N/P-CH 30V 7A/4A 8SOIC	STS7PF30L STMicroelectronics MOSFET P-CH 30V 7A 8SO	STS6218CLC BAR	STS6DNF30L STMicroelectronics	STS6P3LLH6 STMicroelectronics MOSFET P-CH 30V 6A 8SO

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

Contact us if you have any questions.

-  Phone
+00852 9146 4856
-  Email
info@allelco.com

Certifications & Memberships



[View More](#)

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com