



Image may be representation.
See specifications for product details.



STB75N20

Manufacturer Part Number	STB75N20
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STB75N20
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 200V 75A D2PAK
Package	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Data sheet	STx75N20.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STB75N20 - STMicroelectronics. New Original in Stock. Download Linear Technology STB75N20 datasheet/specifications on AllelcoElec.com.
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Specifications

STB75N20 Tech Specifications
STB75N20 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-50°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	3260 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	84 nC @ 10 V
Supplier Device Package	D2PAK	FET Type	N-Channel
Series	STripFET™	FET Feature	-
Rds On (Max) @ Id, Vgs	34mOhm @ 37A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	190W (Tc)	Drain to Source Voltage (Vdss)	200 V
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	75A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STB75N

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STB75N20

Product Attribute				
Part Number	STB75N20	STB70N10F4	STB75NF75LT4	STB70NF03LT4
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Supplier Device Package	D2PAK	D ² PAK (TO-263)	D2PAK	D2PAK
Input Capacitance (Ciss) (Max) @ Vds	3260 pF @ 25 V	5800 pF @ 25 V	4300 pF @ 25 V	1440 pF @ 25 V
Drain to Source Voltage (Vdss)	200 V	100 V	75 V	30 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	5V, 10V	5V, 10V
FET Feature	-	-	-	-
Vgs(th) (Max) @ Id	4V @ 250µA	4V @ 250µA	2.5V @ 250µA	1V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	84 nC @ 10 V	85 nC @ 10 V	90 nC @ 5 V	30 nC @ 5 V
Series	STripFET™	DeepGATE™, STripFET™	STripFET™ II	STripFET™ II
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Power Dissipation (Max)	190W (Tc)	150W (Tc)	300W (Tc)	100W (Tc)
Operating Temperature	-50°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Current - Continuous Drain (Id) @ 25°C	75A (Tc)	65A (Tc)	75A (Tc)	70A (Tc)
Base Product Number	STB75N	STB70N	STB75	STB70
Rds On (Max) @ Id, Vgs	34mOhm @ 37A, 10V	19.5mOhm @ 30A, 10V	11mOhm @ 37.5A, 10V	9.5mOhm @ 35A, 10V
Vgs (Max)	±20V	±20V	±15V	±18V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel

STB75N20 Datasheet PDF

Download STB75N20 pdf datasheets and STMicroelectronics documentation for STB75N20 - STMicroelectronics.

Datasheets

STx75N20.pdf

Customers Also Interested in

Recommended Products



STB75NF75T4 MOS
STMicroelectronics



STB7102TR
STMicroelectronics



STB70N10F4
STMicroelectronics
MOSFET N-CH 100V 65A D2PAK



STB75NF75LT4
STMicroelectronics
MOSFET N-CH 75V 75A D2PAK



STB70NF03LT4
STMicroelectronics
MOSFET N-CH 30V 70A D2PAK



STB75NF75L
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STB75NF75
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STB70NF3
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STB75NF20
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MOSFET N-CH 200V 75A D2PAK



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MOSFET N-CH 600V 4.6A D2PAK



STB75NF20 MOS
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STB70NFS03LT4
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MOSFET N-CH 30V 70A D2PAK

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.

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