



Image may be representation.
See specifications for product details.



STB20N95K5

Manufacturer Part Number	STB20N95K5
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STB20N95K5
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 950V 17.5A D2PAK
Package	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Data sheet	STx20N95K5.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STB20N95K5 - STMicroelectronics.New Original in Stock. Download Linear Technology STB20N95K5 datasheet/specifications on AllelcoElec.com.
Request a quote for STB20N95K5, please send us email: info@allelco.com

Specifications

STB20N95K5 Tech Specifications

STB20N95K5 - 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	5V @ 100µA	Mounting Type	Surface Mount
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	1500 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	40 nC @ 10 V
Supplier Device Package	D2PAK	FET Type	N-Channel
Series	SuperMESH5™	FET Feature	-
Rds On (Max) @ Id, Vgs	330mOhm @ 9A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	250W (Tc)	Drain to Source Voltage (Vdss)	950 V
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	17.5A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STB20

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STB20N95K5

Product Attribute				
Part Number	STB20N95K5	STB20NM50T4	STB200NF03T4	STB200NF04T4
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Gate Charge (Qg) (Max) @ Vgs	40 nC @ 10 V	56 nC @ 10 V	140 nC @ 10 V	210 nC @ 10 V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Vgs (Max)	±30V	±30V	±20V	±20V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
FET Feature	-	-	-	-
Operating Temperature	-55°C ~ 150°C (TJ)	-65°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Base Product Number	STB20	STB20	STB200	STB200N
Series	SuperMESH5™	MDmesh™	STripFET™ III	STripFET™ II
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
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
Supplier Device Package	D2PAK	D2PAK	D2PAK	D2PAK
Current - Continuous Drain (Id) @ 25°C	17.5A (Tc)	20A (Tc)	120A (Tc)	120A (Tc)
Drain to Source Voltage (Vdss)	950 V	550 V	30 V	40 V
Rds On (Max) @ Id, Vgs	330mOhm @ 9A, 10V	250mOhm @ 10A, 10V	3.6mOhm @ 60A, 10V	3.7mOhm @ 90A, 10V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Vgs(th) (Max) @ Id	5V @ 100µA	5V @ 250µA	4V @ 250µA	4V @ 250µA
Power Dissipation (Max)	250W (Tc)	192W (Tc)	300W (Tc)	310W (Tc)
Input Capacitance (Ciss) (Max) @ Vds	1500 pF @ 100 V	1480 pF @ 25 V	4950 pF @ 25 V	5100 pF @ 25 V

STB20N95K5 Datasheet PDF

Download STB20N95K5 pdf datasheets and STMicroelectronics documentation for STB20N95K5 - STMicroelectronics.

Datasheets

STx20N95K5.pdf

PCN Packaging

Box Label Chg 28/Jul/2016.pdf

Mult Dev Inner Box Chg 9/Dec/2021.pdf

PCN Design/Specification

PCN Assembly/Origin

Customers Also Interested in

Recommended Products



STB20NF06LT4
STMicroelectronics



STB20GC14.18750MHZ
SUNNY



STB20NM50T4
STMicroelectronics
MOSFET N-CH 550V 20A D2PAK



STB200NF03T4
STMicroelectronics
MOSFET N-CH 30V 120A D2PAK



STB200NF04T4
STMicroelectronics
MOSFET N-CH 40V 120A D2PAK



STB200N6F3
STMicroelectronics
MOSFET N-CH 60V 120A D2PAK



STB20NK50Z
STMicroelectronics



STB20NM60
STMicroelectronics



STB20NM50T4 MOS
STMicroelectronics



STB20NK50ZT4
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MOSFET N-CH 500V 17A D2PAK



STB20NM60-1
STMicroelectronics
MOSFET N-CH 600V 20A I2PAK



STB20GC14.31818MHz
SUNNY



STB20NM50
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STB200NF04
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STB200NF04L
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MOSFET N-CH 40V 120A D2PAK



STB20N65M5
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MOSFET N-CH 650V 18A D2PAK



STB200NF04-1
STMicroelectronics
MOSFET N-CH 40V 120A I2PAK



STB200NF04T4 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 -

- 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



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Contact us

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