



Image may be representation.  
See specifications for product details.



## STU2N95K5

Manufacturer Part Number	<b>STU2N95K5</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STU2N95K5
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	<b>MOSFET N-CH 950V 2A IPAK</b>
Package	<b>TO-251-3 Short Leads, IPak, TO-251AA</b>
Data sheet	<b>STx2N95K5.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STU2N95K5 - STMicroelectronics.New Original in Stock. Download Linear Technology STU2N95K5 datasheet/specifications on AllelcoElec.com.  
Request a quote for STU2N95K5, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STU2N95K5 Tech Specifications  
STU2N95K5 - 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	Through Hole
Vgs (Max)	30V	Input Capacitance (Ciss) (Max) @ Vds	105 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	10 nC @ 10 V
Supplier Device Package	TO-251 (IPAK)	FET Type	N-Channel
Series	SuperMESH5™	FET Feature	-
Rds On (Max) @ Id, Vgs	50hm @ 1A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	45W (Tc)	Drain to Source Voltage (Vdss)	950 V
Package / Case	TO-251-3 Short Leads, IPak, TO-251AA	Current - Continuous Drain (Id) @ 25°C	2A (Tc)
Package	Tube	Base Product Number	STU2N95

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STU2N95K5

Product Attribute				
Part Number	STU2N95K5	STU2N80K5	STU27N3LH5	STU2N105K5
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Power Dissipation (Max)	45W (Tc)	45W (Tc)	30W (Tc)	60W (Tc)
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Supplier Device Package	TO-251 (IPAK)	TO-251 (IPAK)	TO-251 (IPAK)	TO-251 (IPAK)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
FET Feature	-	-	-	-
Package / Case	TO-251-3 Short Leads, IPak, TO-251AA	TO-251-3 Short Leads, IPak, TO-251AA	TO-251-3 Short Leads, IPak, TO-251AA	TO-251-3 Short Leads, IPak, TO-251AA
Package	Tube	Tube	Tube	Tube
Drain to Source Voltage (Vdss)	950 V	800 V	30 V	1050 V
Input Capacitance (Ciss) (Max) @ Vds	105 pF @ 100 V	105 pF @ 100 V	475 pF @ 25 V	115 pF @ 100 V
Base Product Number	STU2N95	STU2N80	STU27N	STU2N105
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Gate Charge (Qg) (Max) @ Vgs	10 nC @ 10 V	9.5 nC @ 10 V	4.6 nC @ 5 V	10 nC @ 10 V
Series	SuperMESH5™	SuperMESH5™	STripFET™ V	MDmesh™ K5
Current - Continuous Drain (Id) @ 25°C	2A (Tc)	2A (Tc)	27A (Tc)	1.5A (Tc)
Rds On (Max) @ Id, Vgs	50hm @ 1A, 10V	4.50hm @ 1A, 10V	20mOhm @ 13.5A, 10V	80hm @ 750mA, 10V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	4.5V, 10V	10V
Vgs (Max)	30V	30V	±22V	±30V
Vgs(th) (Max) @ Id	5V @ 100µA	5V @ 100µA	1V @ 250µA	5V @ 100µA

### STU2N95K5 Datasheet PDF

Download STU2N95K5 pdf datasheets and STMicroelectronics documentation for STU2N95K5 - STMicroelectronics.

#### Datasheets

STx2N95K5.pdf

#### PCN Packaging

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

#### PCN Design/Specification



Mult Change 03-May-2022.pdf

## PCN Assembly/Origin



IPD/15/9124 20/Mar/2015.pdf

## Customers Also Interested in

### Recommended Products



**STU2N80K5**

STMicroelectronics  
MOSFET N-CH 800V 2A IPAK



**STU27N3LH5**

STMicroelectronics  
MOSFET N-CH 30V 27A IPAK



NO PICTURE

**STU3055L MOS**

SAMHOP



NO PICTURE

**STU25N03L MOS**

SAMHOP



NO PICTURE

**STU303S MOS**

SAMHOP



NO PICTURE

**STU3055**



**STU2N105K5**

STMicroelectronics  
MOSFET N-CH 1050V 1.5A IPAK



**STU2NK100Z**

STMicroelectronics  
MOSFET N-CH 1000V 1.85A IPAK



NO PICTURE

**STU3055L2**

SAMHOP



NO PICTURE

**STU3030NLS**

SAMHOP



NO PICTURE

**STU302S**



NO PICTURE

**STU3055L2 MOS**

SAMHOP



NO PICTURE

**STU3055L**

SAMHOP



NO PICTURE

**STU25L01**

SAMHOP



NO PICTURE

**STU303S**

SAMHOP



NO PICTURE

**STU25N03L**

SAMHOP



**STU2LN60K3**

STMicroelectronics  
MOSFET N CH 600V 2A IPAK



**STU2N62K3**

STMicroelectronics  
MOSFET N-CH 620V 2.2A IPAK

## 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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