

Image may be representation.  
See specifications for product details.



## STU3N62K3

Manufacturer Part Number	<b>STU3N62K3</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STU3N62K3
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	<b>MOSFET N-CH 620V 2.7A IPAK</b>
Package	<b>TO-251-3 Short Leads, IPak, TO-251AA</b>
Data sheet	<b>STx3N62K3.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STU3N62K3 - STMicroelectronics.New Original in Stock. Download Linear Technology STU3N62K3 datasheet/specifications on AllelcoElec.com.  
Request a quote for STU3N62K3, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STU3N62K3 Tech Specifications

STU3N62K3 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	150°C (TJ)
Vgs(th) (Max) @ Id	4.5V @ 50µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	385 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	13 nC @ 10 V
Supplier Device Package	I-PAK	FET Type	N-Channel
Series	SuperMESH3™	FET Feature	-
Rds On (Max) @ Id, Vgs	2.50hm @ 1.4A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	45W (Tc)	Drain to Source Voltage (Vdss)	620 V
Package / Case	TO-251-3 Short Leads, IPak, TO-251AA	Current - Continuous Drain (Id) @ 25°C	2.7A (Tc)
Package	Tube	Base Product Number	STU3N62

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STU3N62K3

Product Attribute				
Part Number	STU3N62K3	STU3LN80K5	STU3N80K5	STU3N45K3
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Supplier Device Package	I-PAK	IPAK (TO-251)	TO-251 (IPAK)	TO-251 (IPAK)
FET Feature	-	-	-	-
Gate Charge (Qg) (Max) @ Vgs	13 nC @ 10 V	2.63 nC @ 10 V	9.5 nC @ 10 V	6 nC @ 10 V
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
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Package	Tube	Tube	Tube	Tube
Current - Continuous Drain (Id) @ 25°C	2.7A (Tc)	2A (Tc)	2.5A (Tc)	1.8A (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Vgs(th) (Max) @ Id	4.5V @ 50µA	5V @ 100µA	5V @ 100µA	4.5V @ 50µA
Vgs (Max)	±30V	±30V	±30V	±30V
Operating Temperature	150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Base Product Number	STU3N62	STU3LN80	STU3N80	STU3N45
Series	SuperMESH3™	MDmesh™ K5	SuperMESH5™	SuperMESH3™
Input Capacitance (Ciss) (Max) @ Vds	385 pF @ 25 V	102 pF @ 100 V	130 pF @ 100 V	150 pF @ 25 V
Drain to Source Voltage (Vdss)	620 V	800 V	800 V	450 V
Rds On (Max) @ Id, Vgs	2.50hm @ 1.4A, 10V	3.250hm @ 1A, 10V	3.50hm @ 1A, 10V	3.80hm @ 500mA, 10V
Power Dissipation (Max)	45W (Tc)	45W (Tc)	60W (Tc)	27W (Tc)

### STU3N62K3 Datasheet PDF

Download STU3N62K3 pdf datasheets and STMicroelectronics documentation for STU3N62K3 - STMicroelectronics.

#### Datasheets

[STx3N62K3.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

					
<b>STU3LN80K5</b> STMicroelectronics MOSFET N-CHANNEL 800V 2A IPAK	<b>STU3N62K3 MOS</b> STMicroelectronics	<b>STU339S</b> SAMHOP	<b>STU407DH(GREEN)</b> SAMHOP	<b>STU405DH</b> SAMHOP	<b>STU3525NLS</b> SAMHOP
					
<b>STU336S</b> SAMH1P	<b>STU407D</b> SAMHOP	<b>STU404D</b> SAMHOP	<b>STU407DH</b> SAMHOP	<b>STU3N80K5</b> STMicroelectronics MOSFET N-CH 800V 2.5A IPAK	<b>STU3525NL MOS</b> SAMHOP
					
<b>STU3N45K3</b> STMicroelectronics MOSFET N-CH 450V 1.8A IPAK	<b>STU408D</b> SAMHOP	<b>STU35L01HA</b> SAMHOP	<b>STU36NB20</b> STMicroelectronics	<b>STU3525NL</b> STU	<b>STU3LN62K3</b> STMicroelectronics MOSFET N-CH 620V 2.5A 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
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Contact us if you have any questions.

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Certifications & Memberships



View More

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