



Image may be representation.  
See specifications for product details.



## STF4N62K3

Manufacturer Part Number	<b>STF4N62K3</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STF4N62K3
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 620V 3.8A TO220FP
Package	TO-220-3 Full Pack
Data sheet	<b>STx(I)4N62K3.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STF4N62K3 - STMicroelectronics.New Original in Stock. Download Linear Technology STF4N62K3 datasheet/specifications on AllelcoElec.com.  
Request a quote for STF4N62K3, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STF4N62K3 Tech Specifications

STF4N62K3 - 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	550 pF @ 50 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	22 nC @ 10 V
Supplier Device Package	TO-220FP	FET Type	N-Channel
Series	SuperMESH3™	FET Feature	-
Rds On (Max) @ Id, Vgs	20hm @ 1.9A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	25W (Tc)	Drain to Source Voltage (Vdss)	620 V
Package / Case	TO-220-3 Full Pack	Current - Continuous Drain (Id) @ 25°C	3.8A (Tc)
Package	Tube	Base Product Number	STF4N62

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STF4N62K3

Product Attribute				
Part Number	STF4N62K3	STF4N80K5	STF4N90K5	STF45N10F7
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Operating Temperature	150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Supplier Device Package	TO-220FP	TO-220FP	TO-220FP	TO-220FP
Rds On (Max) @ Id, Vgs	20hm @ 1.9A, 10V	2.50hm @ 1.5A, 10V	2.10hm @ 1A, 10V	18mOhm @ 15A, 10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Power Dissipation (Max)	25W (Tc)	20W (Tc)	20W (Tc)	25W (Tc)
Vgs(th) (Max) @ Id	4.5V @ 50µA	5V @ 100µA	5V @ 100µA	4.5V @ 250µA
Package / Case	TO-220-3 Full Pack	TO-220-3 Full Pack	TO-220-3	TO-220-3 Full Pack
Vgs (Max)	±30V	±30V	±30V	20V
Package	Tube	Tube	Tube	Tube
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
FET Feature	-	-	-	-
Base Product Number	STF4N62	STF4N80	STF4N90	STF45N
Drain to Source Voltage (Vdss)	620 V	800 V	900 V	100 V
Current - Continuous Drain (Id) @ 25°C	3.8A (Tc)	3A (Tc)	4A (Tc)	30A (Tc)
Gate Charge (Qg) (Max) @ Vgs	22 nC @ 10 V	10.5 nC @ 10 V	5.3 nC @ 10 V	25 nC @ 10 V
Input Capacitance (Ciss) (Max) @ Vds	550 pF @ 50 V	175 pF @ 100 V	173 pF @ 100 V	1640 pF @ 50 V
Series	SuperMESH3™	SuperMESH5™	MDmesh™ K5	DeepGATE™, STRipFET™ VII

### STF4N62K3 Datasheet PDF

Download STF4N62K3 pdf datasheets and STMicroelectronics documentation for STF4N62K3 - STMicroelectronics.

#### Datasheets

[STx\(I\)4N62K3.pdf](#)

#### PCN Packaging

[Box Label Chg 28/Jul/2016.pdf](#)

#### PCN Assembly/Origin



Assembly Location Expansion 05/Mar/2014.pdf

## PCN Design/Specification



Marking Layout 10/May/2023.pdf

## Customers Also Interested in

### Recommended Products



#### STF4N80K5

STMicroelectronics  
MOSFET N-CH 800V 3A TO220FP



#### STF4N90K5

STMicroelectronics  
MOSFET N-CH 900V 4A TO220FP



#### STF45N10F7

STMicroelectronics  
MOSFET N-CH 100V 30A TO220FP



#### STF5N52U

STMicroelectronics  
MOSFET N-CH 525V 4.4A TO220FP



#### STF45N65M5

STMicroelectronics  
MOSFET N-CH 650V 35A TO220FP



#### STF45N65M5 45N65M5

STMicroelectronics



#### STF4N62K2

STMicroelectronics



#### STF57N65M5

STMicroelectronics  
MOSFET N-CH 650V 42A TO220FP



#### STF4LN80K5 4LN80K5

STMicroelectronics



#### STF445

SAMHOP



#### STF5N52K3

STMicroelectronics  
MOSFET N-CH 525V 4.4A TO220FP



#### STF4A60

SENIWELL



#### STF42N65M5 42N65M5

STMicroelectronics



#### STF4N62K3 MOS

STMicroelectronics



#### STF4LN80K5

STMicroelectronics  
MOSFET N-CH 800V 3A TO220FP



#### STF4NK50ZD

STMicroelectronics  
MOSFET N-CH 500V 3A TO220FP



#### STF443

SAMHOP



#### STF5N105K5

STMicroelectronics  
MOSFET N-CH 1050V 3A TO220

## 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