

Image may be representation.
See specifications for product details.



STF3N62K3

Manufacturer Part Number	STF3N62K3
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STF3N62K3
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 620V 2.7A TO220FP
Package	TO-220-3 Full Pack
Data sheet	STx3N62K3.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STF3N62K3 - STMicroelectronics.New Original in Stock. Download Linear Technology STF3N62K3 datasheet/specifications on AllelcoElec.com.
Request a quote for STF3N62K3, please send us email: info@allelco.com

Specifications

STF3N62K3 Tech Specifications

STF3N62K3 - 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	TO-220FP	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)	20W (Tc)	Drain to Source Voltage (Vdss)	620 V
Package / Case	TO-220-3 Full Pack	Current - Continuous Drain (Id) @ 25°C	2.7A (Tc)
Package	Tube	Base Product Number	STF3N62

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STF3N62K3

Product Attribute				
Part Number	STF3N62K3	STF38N65M5	STF36N60M6	STF3LN62K3
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Rds On (Max) @ Id, Vgs	2.50hm @ 1.4A, 10V	95mOhm @ 15A, 10V	99mOhm @ 15A, 10V	30hm @ 1.25A, 10V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Operating Temperature	150°C (TJ)	150°C (TJ)	-55°C ~ 150°C (TJ)	150°C (TJ)
Power Dissipation (Max)	20W (Tc)	35W (Tc)	40W (Tc)	20W (Tc)
FET Feature	-	-	-	-
Base Product Number	STF3N62	STF38	STF36	STF3LN
Supplier Device Package	TO-220FP	TO-220FP	TO-220FP	TO-220FP
Current - Continuous Drain (Id) @ 25°C	2.7A (Tc)	30A (Tc)	30A (Tc)	2.5A (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Package / Case	TO-220-3 Full Pack	TO-220-3 Full Pack	TO-220-3 Full Pack	TO-220-3 Full Pack
Package	Tube	Tube	Tube	Tube
Vgs (Max)	±30V	±25V	±25V	±30V
Gate Charge (Qg) (Max) @ Vgs	13 nC @ 10 V	71 nC @ 10 V	44.3 nC @ 10 V	17 nC @ 10 V
Drain to Source Voltage (Vdss)	620 V	650 V	600 V	620 V
Vgs(th) (Max) @ Id	4.5V @ 50µA	5V @ 250µA	4.75V @ 250µA	4.5V @ 50µA
Input Capacitance (Ciss) (Max) @ Vds	385 pF @ 25 V	3000 pF @ 100 V	1960 pF @ 100 V	386 pF @ 50 V
Series	SuperMESH3™	MDmesh™ V	MDmesh™ M6	SuperMESH3™
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V

STF3N62K3 Datasheet PDF

Download STF3N62K3 pdf datasheets and STMicroelectronics documentation for STF3N62K3 - STMicroelectronics.

Datasheets














[STx3N62K3.pdf](#)

PCN Assembly/Origin

[Assembly Location Expansion 05/Mar/2014.pdf](#)

Customers Also Interested in

Recommended Products

			
STF40100C SMC Diode Solutions DIODE ARRAY SCHOTTKY 100V ITO220	STF38N65M5 STMicroelectronics MOSFET N-CH 650V 30A TO220FP	STF36N60M6 STMicroelectronics MOSFET N-CH 600V 30A TO220FP	STF3N62K3 MOS STMicroelectronics
			
STF3HNK90Z STMicroelectronics MOSFET N-CH 800V 3A TO220FP	STF40N65M2 STMicroelectronics MOSFET N-CH 650V 32A TO220FP	STF3N80K5 STMicroelectronics MOSFET N-CH 800V 2.5A TO220FP	STF35N60DM2 STMicroelectronics MOSFET N-CH 600V 28A TO220FP
			
STF34NM60N STMicroelectronics MOSFET N-CH 600V 31.5A TO220FP	STF34NM60ND STMicroelectronics MOSFET N-CH 600V 29A TO220FP	STF3NK80Z STMicroelectronics MOSFET N-CH 800V 2.5A TO220FP	STF3NK100Z STMicroelectronics MOSFET N-CH 1000V 2.5A TO220FP
			
STF34NM60N 34NM60N STMicroelectronics	STF3NK80Z 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

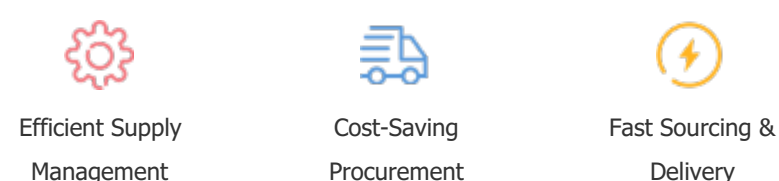
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

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 -



Contact us if you have any questions.



Certifications & Memberships



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