

Image may be representation.
See specifications for product details.



STF6N90K5

Manufacturer Part Number	STF6N90K5
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STF6N90K5
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 900V 6A TO220FP
Package	TO-220-3 Full Pack
Data sheet	STF6N90K5.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STF6N90K5 - STMicroelectronics.New Original in Stock. Download Linear Technology STF6N90K5 datasheet/specifications on AllelcoElec.com.
Request a quote for STF6N90K5, please send us email: info@allelco.com

Specifications

STF6N90K5 Tech Specifications

STF6N90K5 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tube
Vgs(th) (Max) @ Id	5V @ 100µA	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs (Max)	±30V	Mounting Type	Through Hole
Technology	MOSFET (Metal Oxide)	FET Type	N-Channel
Supplier Device Package	TO-220FP	FET Feature	-
Series	MDmesh™ K5	Drive Voltage (Max Rds On, Min Rds On)	10V
Rds On (Max) @ Id, Vgs	1.1Ohm @ 3A, 10V	Drain to Source Voltage (Vdss)	900 V
Power Dissipation (Max)	25W (Tc)	Current - Continuous Drain (Id) @ 25°C	6A (Tc)
Package / Case	TO-220-3 Full Pack	Base Product Number	STF6

Parts with Similar Specifications

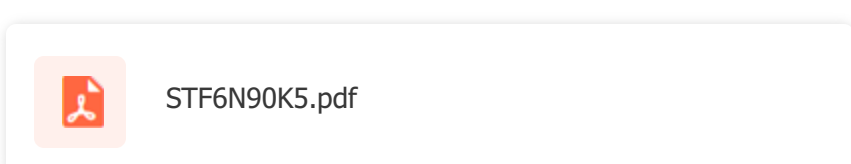
The three parts on the right have similar specifications to STMicroelectronics STF6N90K5

Product Attribute				
Part Number	STF6N90K5	STF6N62K3	STF6NM60N	STF6N65M2
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Drain to Source Voltage (Vdss)	900 V	620 V	600 V	650 V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Series	MDmesh™ K5	SuperMESH3™	MDmesh™ II	MDmesh™
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Rds On (Max) @ Id, Vgs	1.10hm @ 3A, 10V	1.280hm @ 2.8A, 10V	920mOhm @ 2.3A, 10V	1.350hm @ 2A, 10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Operating Temperature	-55°C ~ 150°C (TJ)	150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Vgs (Max)	±30V	±30V	±25V	±25V
Supplier Device Package	TO-220FP	TO-220FP	TO-220FP	TO-220FP
FET Feature	-	-	-	-
Power Dissipation (Max)	25W (Tc)	30W (Tc)	20W (Tc)	20W (Tc)
Package	Tube	Tube	Tube	Tube
Package / Case	TO-220-3 Full Pack	TO-220-3 Full Pack	TO-220-3 Full Pack	TO-220-3 Full Pack
Base Product Number	STF6	STF6	STF6N	STF6
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Current - Continuous Drain (Id) @ 25°C	6A (Tc)	5.5A (Tc)	4.6A (Tc)	4A (Tc)
Vgs(th) (Max) @ Id	5V @ 100µA	4.5V @ 50µA	4V @ 250µA	4V @ 250µA

STF6N90K5 Datasheet PDF

Download STF6N90K5 pdf datasheets and STMicroelectronics documentation for STF6N90K5 - STMicroelectronics.

Datasheets



Customers Also Interested in

Recommended Products



STF6NM60M2



STF6N62K3



STF6NM60N



STF6N65M2



STF701-LF-T7



STF6NK70Z

**STF6N80**

STMicroelectronics

STF701.TC

Semtech

STF6N80K5STMicroelectronics
MOSFET N-CH 800V 4.5A TO220FP**STF701-T7**

PROTEK

STF6N95K5 MOS

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STF6N80K5 MOS

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**STF6N95K5**STMicroelectronics
MOSFET N-CH 950V 9A TO220FP**STF6N95K5 6N95K5**

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STF6N65K3STMicroelectronics
MOSFET N-CH 650V 5.4A TO220FP**STF6N65K3 MOS**

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STF6NK50Z

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STF6N62K3 MOS

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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.



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Certifications & Memberships



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