

Image may be representation.  
See specifications for product details.



## STP11NM60FDFP

Manufacturer Part Number	<b>STP11NM60FDFP</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STP11NM60FDFP
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 600V 11A TO220FP
Package	TO-220-3 Full Pack
Data sheet	<b>STB11NM60FD(-1), STP11NM60FD(FP).pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STP11NM60FDFP - STMicroelectronics.New Original in Stock. Download Linear Technology STP11NM60FDFP datasheet/specifications on AllelcoElec.com.  
Request a quote for STP11NM60FDFP, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STP11NM60FDFP Tech Specifications  
STP11NM60FDFP - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-
Vgs(th) (Max) @ Id	5V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	900 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	40 nC @ 10 V
Supplier Device Package	TO-220FP	FET Type	N-Channel
Series	FDmesh™	FET Feature	-
Rds On (Max) @ Id, Vgs	450mOhm @ 5.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	35W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	TO-220-3 Full Pack	Current - Continuous Drain (Id) @ 25°C	11A (Tc)
Package	Tube	Base Product Number	STP11

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STP11NM60FDFP

Product Attribute				
Part Number	STP11NM60FDFP	STP11NK50Z	STP120N4F6	STP120NF10
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Operating Temperature	-	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Drain to Source Voltage (Vdss)	600 V	500 V	40 V	100 V
Package	Tube	Tube	Tube	Tube
Series	FDmesh™	SuperMESH™	Automotive, AEC-Q101, DeepGATE™, STripFET™ VI	STripFET™ II
Gate Charge (Qg) (Max) @ Vgs	40 nC @ 10 V	68 nC @ 10 V	65 nC @ 10 V	233 nC @ 10 V
Package / Case	TO-220-3 Full Pack	TO-220-3	TO-220-3	TO-220-3
Current - Continuous Drain (Id) @ 25°C	11A (Tc)	10A (Tc)	80A (Tc)	110A (Tc)
Supplier Device Package	TO-220FP	TO-220	TO-220	TO-220
Vgs(th) (Max) @ Id	5V @ 250µA	4.5V @ 100µA	4V @ 250µA	4V @ 250µA
Power Dissipation (Max)	35W (Tc)	125W (Tc)	110W (Tc)	312W (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Rds On (Max) @ Id, Vgs	450mOhm @ 5.5A, 10V	520mOhm @ 4.5A, 10V	4.3mOhm @ 40A, 10V	10.5mOhm @ 60A, 10V
Input Capacitance (Ciss) (Max) @ Vds	900 pF @ 25 V	1390 pF @ 25 V	3850 pF @ 25 V	5200 pF @ 25 V
Base Product Number	STP11	STP11	STP120	STP120
Vgs (Max)	±30V	±30V	±20V	±20V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Feature	-	-	-	-
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole

### STP11NM60FDFP Datasheet PDF

Download STP11NM60FDFP pdf datasheets and STMicroelectronics documentation for STP11NM60FDFP - STMicroelectronics.

#### Datasheets














[STB11NM60FD\(-1\), STP11NM60FD\(FP\).pdf](#)

#### PCN Assembly/Origin

[IPG/14/8597 17/Jul/2014.pdf](#)

## Customers Also Interested in

### Recommended Products

					
<b>STP11NK50Z</b> STMicroelectronics MOSFET N-CH 500V 10A TO220AB	<b>STP120N4F6</b> STMicroelectronics MOSFET N-CH 40V 80A TO220AB	<b>STP120NF10</b> STMicroelectronics MOSFET N-CH 100V 110A TO220AB	<b>STP11NK50Z MOS</b> STMicroelectronics	<b>STP11NK50ZFP</b> STMicroelectronics MOSFET N-CH 500V 10A TO220FP	<b>STP11NM80</b> STMicroelectronics MOSFET N-CH 800V 11A TO220AB
					
<b>STP11NM60AFP</b> STMicroelectronics	<b>STP120NF04</b> STMicroelectronics MOSFET N-CH 40V 120A TO220AB	<b>STP11NM50N</b> STMicroelectronics MOSFET N-CH 500V 8.5A TO220AB	<b>STP11NM60FP</b> STMicroelectronics MOSFET N-CH 600V 11A TO220FP	<b>STP11NK80Z</b> STMicroelectronics	<b>STP11NM60</b> STMicroelectronics MOSFET N-CH 650V 11A TO220AB
					
<b>STP11NM60A</b> STMicroelectronics MOSFET N-CH 600V 11A TO220AB	<b>STP11NK80ZFP</b> STMicroelectronics	<b>STP11NM60N</b> STMicroelectronics MOSFET N-CH 600V 10A TO220AB	<b>STP11NM60 MOS</b> STMicroelectronics	<b>STP11NM60ND</b> STMicroelectronics MOSFET N-CH 600V 10A TO220AB	<b>STP11NM65N</b> STMicroelectronics MOSFET N-CH 650V 11A TO-220

## 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 -

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Contact us if you have any questions.

-  Phone  
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-  Email  
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### Certifications & Memberships



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### Contact us

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