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See specifications for product details.



STP14NK60ZFP

Manufacturer Part Number	STP14NK60ZFP
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STP14NK60ZFP
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 600V 13.5A TO220FP
Package	TO-220-3 Full Pack
Data sheet	STx14NK60ZT4,FP.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STP14NK60ZFP - STMicroelectronics.New Original in Stock. Download Linear Technology STP14NK60ZFP datasheet/specifications on AllelcoElec.com.
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Specifications

STP14NK60ZFP Tech Specifications
STP14NK60ZFP - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	4.5V @ 100µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	2220 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	75 nC @ 10 V
Supplier Device Package	TO-220FP	FET Type	N-Channel
Series	SuperMESH™	FET Feature	-
Rds On (Max) @ Id, Vgs	500mOhm @ 6A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	40W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	TO-220-3 Full Pack	Current - Continuous Drain (Id) @ 25°C	13.5A (Tc)
Package	Tube	Base Product Number	STP14

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STP14NK60ZFP

Product Attribute				
Part Number	STP14NK60ZFP	STP14NM50N	STP150N3LLH6	STP14NK60Z
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Feature	-	-	-	-
Package / Case	TO-220-3 Full Pack	TO-220-3	TO-220-3	TO-220-3
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	4.5V, 10V	10V
Power Dissipation (Max)	40W (Tc)	90W (Tc)	110W (Tc)	160W (Tc)
Vgs(th) (Max) @ Id	4.5V @ 100µA	4V @ 100µA	2.5V @ 250µA	4.5V @ 100µA
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)
Drain to Source Voltage (Vdss)	600 V	500 V	30 V	600 V
Current - Continuous Drain (Id) @ 25°C	13.5A (Tc)	12A (Tc)	80A (Tc)	13.5A (Tc)
Series	SuperMESH™	MDmesh™ II	DeepGATE™, STripFET™ VI	SuperMESH™
Package	Tube	Tube	Tube	Tube
Rds On (Max) @ Id, Vgs	500mOhm @ 6A, 10V	320mOhm @ 6A, 10V	3.3mOhm @ 40A, 10V	500mOhm @ 6A, 10V
Vgs (Max)	±30V	±25V	±20V	±30V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Gate Charge (Qg) (Max) @ Vgs	75 nC @ 10 V	27 nC @ 10 V	40 nC @ 4.5 V	75 nC @ 10 V
Base Product Number	STP14	STP14	STP150	STP14N
Input Capacitance (Ciss) (Max) @ Vds	2220 pF @ 25 V	816 pF @ 50 V	4040 pF @ 25 V	2220 pF @ 25 V
Supplier Device Package	TO-220FP	TO-220	TO-220	TO-220

STP14NK60ZFP Datasheet PDF

Download STP14NK60ZFP pdf datasheets and STMicroelectronics documentation for STP14NK60ZFP - STMicroelectronics.

Datasheets

[STx14NK60ZT4,FP.pdf](#)

Customers Also Interested in

Recommended Products

**STP14NM50N**STMicroelectronics
MOSFET N-CH 500V 12A TO220**STP15810**

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STP150N3LLH6STMicroelectronics
MOSFET N-CH 30V 80A TO220AB**STP14NK60Z**STMicroelectronics
MOSFET N-CH 600V 13.5A TO220AB**STP140NF55**

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STP14NF10 MOS

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**STP14NF10**STMicroelectronics
MOSFET N-CH 100V 15A TO220AB**STP150N10F7**STMicroelectronics
MOSFET N-CH 100V 110A TO220**STP14NF12FP**STMicroelectronics
MOSFET N-CH 120V 8.5A TO220FP**STP14NF10FP**

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**STP14NK50ZFP**STMicroelectronics
MOSFET N-CH 500V 14A TO220FP**STP150NF55**STMicroelectronics
MOSFET N-CH 55V 120A TO220AB**STP14NK50Z**STMicroelectronics
MOSFET N-CH 500V 14A TO220AB**STP14NM65N**STMicroelectronics
MOSFET N-CH 650V 12A TO220AB**STP14N80K5**STMicroelectronics
MOSFET N-CHANNEL 800V 12A TO220**STP150NF04**STMicroelectronics
MOSFET N-CH 40V 80A TO220AB**STP14NF12**STMicroelectronics
MOSFET N-CH 120V 14A TO220-3**STP14NF06**

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

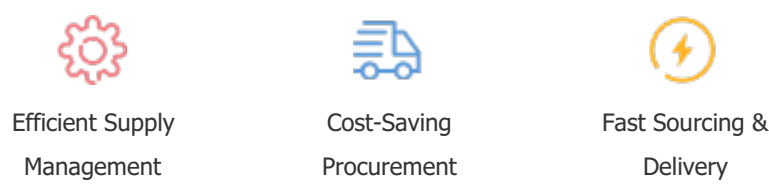
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

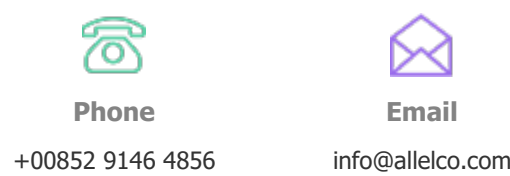
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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