



Image may be representation.
See specifications for product details.



STP4NK80ZFP

Manufacturer Part Number	STP4NK80ZFP
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STP4NK80ZFP
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 800V 3A TO220FP
Package	TO-220-3 Full Pack
Data sheet	ST(D,P)4NK80Z(-1,FP).pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STP4NK80ZFP - STMicroelectronics.New Original in Stock. Download Linear Technology STP4NK80ZFP datasheet/specifications on AllelcoElec.com.
Request a quote for STP4NK80ZFP, please send us email: info@allelco.com

Specifications

STP4NK80ZFP Tech Specifications

STP4NK80ZFP - 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 @ 50µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	575 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	22.5 nC @ 10 V
Supplier Device Package	TO-220FP	FET Type	N-Channel
Series	SuperMESH™	FET Feature	-
Rds On (Max) @ Id, Vgs	3.50hm @ 1.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	25W (Tc)	Drain to Source Voltage (Vdss)	800 V
Package / Case	TO-220-3 Full Pack	Current - Continuous Drain (Id) @ 25°C	3A (Tc)
Package	Tube	Base Product Number	STP4NK80

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STP4NK80ZFP

Product Attribute				
Part Number	STP4NK80ZFP	STP50NF25	STP50NE10	STP4NK60ZFP
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs (Max)	±30V	±20V	±20V	±30V
Current - Continuous Drain (Id) @ 25°C	3A (Tc)	45A (Tc)	50A (Tc)	4A (Tc)
Rds On (Max) @ Id, Vgs	3.50hm @ 1.5A, 10V	69mOhm @ 22A, 10V	27mOhm @ 25A, 10V	20hm @ 2A, 10V
Series	SuperMESH™	STripFET™	STripFET™	SuperMESH™
Input Capacitance (Ciss) (Max) @ Vds	575 pF @ 25 V	2670 pF @ 25 V	6000 pF @ 25 V	510 pF @ 25 V
Drain to Source Voltage (Vdss)	800 V	250 V	100 V	600 V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Vgs(th) (Max) @ Id	4.5V @ 50µA	4V @ 250µA	4V @ 250µA	4.5V @ 50µA
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	175°C (TJ)	150°C (TJ)
Supplier Device Package	TO-220FP	TO-220	TO-220	TO-220FP
Package	Tube	Tube	Tube	Tube
Gate Charge (Qg) (Max) @ Vgs	22.5 nC @ 10 V	68.2 nC @ 10 V	166 nC @ 10 V	26 nC @ 10 V
Power Dissipation (Max)	25W (Tc)	160W (Tc)	180W (Tc)	25W (Tc)
FET Feature	-	-	-	-
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Base Product Number	STP4NK80	STP50	STP50N	STP4NK60
Package / Case	TO-220-3 Full Pack	TO-220-3	TO-220-3	TO-220-3 Full Pack
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V

STP4NK80ZFP Datasheet PDF

Download STP4NK80ZFP pdf datasheets and STMicroelectronics documentation for STP4NK80ZFP - STMicroelectronics.

Datasheets

[ST\(D,P\)4NK80Z\(-1,FP\).pdf](#)

PCN Packaging

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

PCN Assembly/Origin



Customers Also Interested in

Recommended Products



STP4NK80ZFP MOS

STMicroelectronics



STP50NF25

STMicroelectronics
MOSFET N-CH 250V 45A TO220AB

STP50NF06

STMicroelectronics



STP50NE10

STMicroelectronics
MOSFET N-CH 100V 50A TO220AB

STP4NK60ZFP

STMicroelectronics
MOSFET N-CH 600V 4A TO220FP

STP4NK60Z

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MOSFET N-CH 600V 4A TO220AB

STP4NK50ZD

STMicroelectronics
MOSFET N-CH 500V 3A TO220AB

STP4NK60ZFP

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NO PICTURE

STP4NK60Z MOS

TOOHONG



STP4NM60

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STP50NE08

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MOSFET N-CH 80V 50A TO220AB

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STP4NK60Z 4N60

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STP4NK50ZFP

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MOSFET N-CH 500V 3A TO220FP

STP50NE10L

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STP4NK80Z

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MOSFET N-CH 800V 3A TO220AB

STP50N06

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STP50NF03L

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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.



Phone

+00852 9146 4856



Email

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Certifications & Memberships



View More

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