

Image may be representation.
See specifications for product details.



STP4N150

Manufacturer Part Number	STP4N150
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STP4N150
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 1500V 4A TO220AB
Package	TO-220-3
Data sheet	STxx4N150.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STP4N150 - STMicroelectronics. New Original in Stock. Download Linear Technology STP4N150 datasheet/specifications on AllelcoElec.com.
Request a quote for STP4N150, please send us email: info@allelco.com

Specifications

STP4N150 Tech Specifications

STP4N150 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	150°C (TJ)
Vgs(th) (Max) @ Id	5V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	1300 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	50 nC @ 10 V
Supplier Device Package	TO-220	FET Type	N-Channel
Series	PowerMESH™	FET Feature	-
Rds On (Max) @ Id, Vgs	70hm @ 2A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	160W (Tc)	Drain to Source Voltage (Vdss)	1500 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	4A (Tc)
Package	Tube	Base Product Number	STP4N150

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STP4N150

Product Attribute				
Part Number	STP4N150	STP4LN80K5	STP4N52K3	STP4N90K5
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Power Dissipation (Max)	160W (Tc)	60W (Tc)	45W (Tc)	60W (Tc)
Gate Charge (Qg) (Max) @ Vgs	50 nC @ 10 V	3.7 nC @ 10 V	11 nC @ 10 V	5.3 nC @ 10 V
Current - Continuous Drain (Id) @ 25°C	4A (Tc)	3A (Tc)	2.5A (Tc)	3A (Tc)
FET Feature	-	-	-	-
Vgs(th) (Max) @ Id	5V @ 250µA	5V @ 100µA	4.5V @ 50µA	5V @ 100µA
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Base Product Number	STP4N150	STP4LN80	STP4N52	STP4N90
Drain to Source Voltage (Vdss)	1500 V	800 V	525 V	900 V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Operating Temperature	150°C (TJ)	-55°C ~ 150°C (TJ)	150°C (TJ)	-55°C ~ 150°C (TJ)
Supplier Device Package	TO-220	TO-220	TO-220	TO-220
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs (Max)	±30V	±30V	±30V	±30V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Input Capacitance (Ciss) (Max) @ Vds	1300 pF @ 25 V	122 pF @ 100 V	334 pF @ 100 V	173 pF @ 100 V
Series	PowerMESH™	MDmesh™ K5	SuperMESH3™	MDmesh™ K5
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Package	Tube	Tube	Tube	Tube
Rds On (Max) @ Id, Vgs	70hm @ 2A, 10V	2.60hm @ 1A, 10V	2.60hm @ 1.25A, 10V	2.10hm @ 1A, 10V

STP4N150 Datasheet PDF

Download STP4N150 pdf datasheets and STMicroelectronics documentation for STP4N150 - STMicroelectronics.

Datasheets

STxx4N150.pdf

PCN Design/Specification


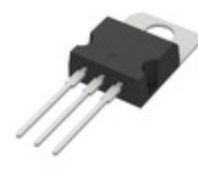

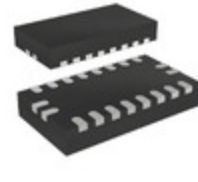




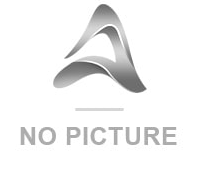







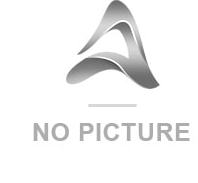
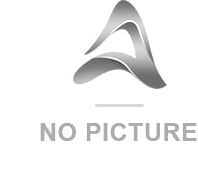
Mult Dev Adv Material Notice 8/Apr/2019.pdf

PCN Assembly/Origin

PCN Packaging

Customers Also Interested in

Recommended Products

					
STP4LN80K5 STMicroelectronics MOSFET N-CHANNEL 800V 3A TO220	STP4N52K3 STMicroelectronics MOSFET N-CH 525V 2.5A TO220	STP4N80K5 MOS STMicroelectronics	STP4CMPQTR STMicroelectronics IC LED DRVR RGLTR PWM 30MA 20QFN	STP4N25 STMicroelectronics	STP4NA60 STMicroelectronics
					
STP4N90K5 STMicroelectronics MOSFET N-CH 900V 3A TO220	STP4N20 STMicroelectronics	STP4953MRG VBSEMI	STP4953AM-TRG VBSEMI	STP4N62K3 STMicroelectronics MOSFET N-CH 620V 3.8A TO220	STP4N100 STMicroelectronics
					
STP4N100FI STMicroelectronics	STP4953A STANSON	STP4N80K5 STMicroelectronics MOSFET N-CH 800V 3A TO220	STP4A60S SEMIWELL	STP4953M-TRG SEMTRON	STP4953AMTRG VBSEMI

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
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Contact us if you have any questions.

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Certifications & Memberships



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