

Image may be representation.
See specifications for product details.



STP4N52K3

Manufacturer Part Number	STP4N52K3
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STP4N52K3
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 525V 2.5A TO220
Package	TO-220-3
Data sheet	STx4N52K3.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STP4N52K3 - STMicroelectronics.New Original in Stock. Download Linear Technology STP4N52K3 datasheet/specifications on AllelcoElec.com.
Request a quote for STP4N52K3, please send us email: info@allelco.com

Specifications

STP4N52K3 Tech Specifications

STP4N52K3 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	150°C (TJ)
Vgs(th) (Max) @ Id	4.5V @ 50µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	334 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	11 nC @ 10 V
Supplier Device Package	TO-220	FET Type	N-Channel
Series	SuperMESH3™	FET Feature	-
Rds On (Max) @ Id, Vgs	2.60hm @ 1.25A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	45W (Tc)	Drain to Source Voltage (Vdss)	525 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	2.5A (Tc)
Package	Tube	Base Product Number	STP4N52

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STP4N52K3

Product Attribute				
Part Number	STP4N52K3	STP4N80K5	STP4N62K3	STP4LN80K5
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Supplier Device Package	TO-220	TO-220	TO-220	TO-220
Vgs(th) (Max) @ Id	4.5V @ 50µA	5V @ 100µA	4.5V @ 50µA	5V @ 100µA
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Package	Tube	Tube	Tube	Tube
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
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)
Input Capacitance (Ciss) (Max) @ Vds	334 pF @ 100 V	175 pF @ 100 V	450 pF @ 50 V	122 pF @ 100 V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
FET Feature	-	-	-	-
Series	SuperMESH3™	SuperMESH5™	SuperMESH3™	MDmesh™ K5
Vgs (Max)	±30V	±30V	±30V	±30V
Base Product Number	STP4N52	STP4N80	STP4N	STP4LN80
Power Dissipation (Max)	45W (Tc)	60W (Tc)	70W (Tc)	60W (Tc)
Current - Continuous Drain (Id) @ 25°C	2.5A (Tc)	3A (Tc)	3.8A (Tc)	3A (Tc)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	525 V	800 V	620 V	800 V
Rds On (Max) @ Id, Vgs	2.60hm @ 1.25A, 10V	2.50hm @ 1.5A, 10V	1.950hm @ 1.9A, 10V	2.60hm @ 1A, 10V
Gate Charge (Qg) (Max) @ Vgs	11 nC @ 10 V	10.5 nC @ 10 V	14 nC @ 10 V	3.7 nC @ 10 V

STP4N52K3 Datasheet PDF

Download STP4N52K3 pdf datasheets and STMicroelectronics documentation for STP4N52K3 - STMicroelectronics.

Datasheets

STx4N52K3.pdf

PCN Design/Specification

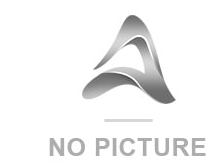
Mult Dev Adv Material Notice 8/Apr/2019.pdf

PCN Packaging

PCN Assembly/Origin

Customers Also Interested in

Recommended Products



STP4953MRG
VBSEMI



STP4N100FI
STMicroelectronics



STP4N100
STMicroelectronics



STP4N80K5
STMicroelectronics
MOSFET N-CH 800V 3A TO220



STP4NA60FP MOS
STMicroelectronics



STP4N80K5 MOS
STMicroelectronics



STP4NA60
STMicroelectronics



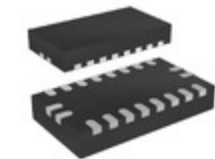
STP4N62K3
STMicroelectronics
MOSFET N-CH 620V 3.8A TO220



STP4953M-TRG
SEMTRON



STP4LN80K5
STMicroelectronics
MOSFET N-CANNEL 800V 3A TO220



STP4CMPQTR
STMicroelectronics
IC LED DRVR RGLTR PWM 30MA 20QFN



STP4N150
STMicroelectronics
MOSFET N-CH 1500V 4A TO220AB



STP4N25
STMicroelectronics



STP4NA60FI
STMicroelectronics



STP4A60S
SEMIWELL



STP4NA60FP
STMicroelectronics



STP4N20
STMicroelectronics



STP4N90K5
STMicroelectronics
MOSFET N-CH 900V 3A TO220

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

info@allelco.com

Certifications & Memberships



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