

Image may be representation.
See specifications for product details.



STP24N60M2

Manufacturer Part Number	STP24N60M2
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STP24N60M2
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 600V 18A TO220
Package	TO-220-3
Data sheet	STx24N60M2.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STP24N60M2 - STMicroelectronics. New Original in Stock. Download Linear Technology STP24N60M2 datasheet/specifications on AllelcoElec.com.
Request a quote for STP24N60M2, please send us email: info@allelco.com

Specifications

STP24N60M2 Tech Specifications

STP24N60M2 - 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	4V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±25V	Input Capacitance (Ciss) (Max) @ Vds	1060 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	29 nC @ 10 V
Supplier Device Package	TO-220	FET Type	N-Channel
Series	MDmesh™ II Plus	FET Feature	-
Rds On (Max) @ Id, Vgs	190mOhm @ 9A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	150W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	18A (Tc)
Package	Tube	Base Product Number	STP24

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STP24N60M2

Product Attribute				
Part Number	STP24N60M2	STP23NM60N	STP23NM60ND	STP23N80K5
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Vgs(th) (Max) @ Id	4V @ 250µA	4V @ 250µA	5V @ 250µA	5V @ 100µA
Drain to Source Voltage (Vdss)	600 V	600 V	600 V	800 V
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Rds On (Max) @ Id, Vgs	190mOhm @ 9A, 10V	180mOhm @ 9.5A, 10V	180mOhm @ 10A, 10V	280mOhm @ 8A, 10V
Current - Continuous Drain (Id) @ 25°C	18A (Tc)	19A (Tc)	19.5A (Tc)	16A (Tc)
Series	MDmesh™ II Plus	MDmesh™ II	FDmesh™ II	MDmesh™ K5
FET Feature	-	-	-	-
Base Product Number	STP24	STP23N	STP23N	STP23
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Supplier Device Package	TO-220	TO-220	TO-220	TO-220
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Power Dissipation (Max)	150W (Tc)	150W (Tc)	150W (Tc)	190W (Tc)
Operating Temperature	-55°C ~ 150°C (TJ)	150°C (TJ)	150°C (TJ)	-55°C ~ 150°C (TJ)
Package	Tube	Tube	Tube	Tube
Vgs (Max)	±25V	±25V	±25V	±30V
Input Capacitance (Ciss) (Max) @ Vds	1060 pF @ 100 V	2050 pF @ 50 V	2100 pF @ 50 V	1000 pF @ 100 V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Gate Charge (Qg) (Max) @ Vgs	29 nC @ 10 V	60 nC @ 10 V	69 nC @ 10 V	33 nC @ 10 V

STP24N60M2 Datasheet PDF

Download STP24N60M2 pdf datasheets and STMicroelectronics documentation for STP24N60M2 - STMicroelectronics.

Datasheets

[STx24N60M2.pdf](#)

PCN Design/Specification

[Mult Dev Adv Material Notice 8/Apr/2019.pdf](#)

PCN Assembly/Origin



Customers Also Interested in

Recommended Products



STP24NM60
STMicroelectronics



STP23NM60N
STMicroelectronics
MOSFET N-CH 600V 19A TO220AB



STP23NM60ND
STMicroelectronics
MOSFET N-CH 600V 19.5A TO220AB



STP23N80K5
STMicroelectronics
MOSFET N-CH 800V 16A TO220-3



STP25N06
STMicroelectronics



STP24N60DM2
STMicroelectronics
MOSFET N-CH 600V 18A TO220



STP2545CGY
NA



STP24NF10 MOS
STMicroelectronics



STP24NM60N
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MOSFET N-CH 600V 17A TO220



STP2434ALF-26MHZ
RAKON



STP24N60M2 MOS
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STP24NM65N
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MOSFET N-CH 650V 19A TO220AB



STP24810 MOS
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STP240N10F7
STMicroelectronics
MOSFET N-CH 100V 180A TO220



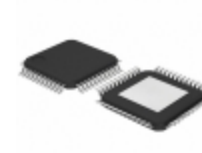
STP24NF10
STMicroelectronics
MOSFET N-CH 100V 26A TO220AB



STP24N65M2
STMicroelectronics
MOSFET N-CH 650V 16A TO220



STP23NM50N
STMicroelectronics
MOSFET N-CH 500V 17A TO220-3



STP24DP05BTR
STMicroelectronics
IC LED DRIVER LINEAR 80MA 48TQFP

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



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