



Image may be representation.
See specifications for product details.



STF24N60M2

Manufacturer Part Number	STF24N60M2
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STF24N60M2
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 600V 18A TO220FP
Package	TO-220-3 Full Pack
Data sheet	STF(I, W)24N60M2.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STF24N60M2 - STMicroelectronics.New Original in Stock. Download Linear Technology STF24N60M2 datasheet/specifications on AllelcoElec.com.
Request a quote for STF24N60M2, please send us email: info@allelco.com

Specifications

STF24N60M2 Tech Specifications
STF24N60M2 - 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-220FP	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)	30W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	TO-220-3 Full Pack	Current - Continuous Drain (Id) @ 25°C	18A (Tc)
Package	Tube	Base Product Number	STF24

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STF24N60M2

Product Attribute				
Part Number	STF24N60M2	STF24NM60N	STF24NM65N	STF24N65M2
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Vgs(th) (Max) @ Id	4V @ 250µA	4V @ 250µA	4V @ 250µA	4V @ 250µA
FET Feature	-	-	-	-
Current - Continuous Drain (Id) @ 25°C	18A (Tc)	17A (Tc)	19A (Tc)	16A (Tc)
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Drain to Source Voltage (Vdss)	600 V	600 V	650 V	650 V
Base Product Number	STF24	STF24	STF24	STF24
Series	MDmesh™ II Plus	MDmesh™ II	MDmesh™ II	MDmesh™ M2
Input Capacitance (Ciss) (Max) @ Vds	1060 pF @ 100 V	1400 pF @ 50 V	2500 pF @ 50 V	1060 pF @ 100 V
Vgs (Max)	±25V	±30V	±25V	±25V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Package / Case	TO-220-3 Full Pack	TO-220-3 Full Pack	TO-220-3 Full Pack	TO-220-3 Full Pack
Gate Charge (Qg) (Max) @ Vgs	29 nC @ 10 V	46 nC @ 10 V	70 nC @ 10 V	29 nC @ 10 V
Power Dissipation (Max)	30W (Tc)	30W (Tc)	40W (Tc)	30W (Tc)
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package	Tube	Tube	Tube	Tube
Supplier Device Package	TO-220FP	TO-220FP	TO-220FP	TO-220FP
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Rds On (Max) @ Id, Vgs	190mOhm @ 9A, 10V	190mOhm @ 8A, 10V	190mOhm @ 9.5A, 10V	230mOhm @ 8A, 10V

STF24N60M2 Datasheet PDF

Download STF24N60M2 pdf datasheets and STMicroelectronics documentation for STF24N60M2 - STMicroelectronics.

Datasheets

[STF\(I, W\)24N60M2.pdf](#)

PCN Assembly/Origin

[IPG/14/8597 17/Jul/2014.pdf](#)

PCN Design/Specification



Customers Also Interested in

Recommended Products

**STF24NM60N**STMicroelectronics
MOSFET N-CH 600V 17A TO220FP**STF2455**

SAMHOP

**STF2454**

SAMHOP

**STF24NM65N**STMicroelectronics
MOSFET N-CH 650V 19A TO220FP**STF24N65M2**STMicroelectronics
MOSFET N-CH 650V 16A TO220FP**STF24NF10**

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**STF23NM60N**STMicroelectronics
MOSFET N-CH 600V 19A TO220FP**STF24N60DM2**STMicroelectronics
MOSFET N-CH 600V 18A TO220**STF23NM60MD**

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**STF24N60M6**STMicroelectronics
MOSFET N-CH 600V TO220FP**STF23N80K5**STMicroelectronics
MOSFET N-CH 800V 16A TO220FP**STF2456**

SAMHOP

**STF23NM50N**STMicroelectronics
MOSFET N-CH 500V 17A TO220FP**STF23NM60ND**STMicroelectronics
MOSFET N-CH 600V 19.5A TO220FP**STF24NF12**

STMicroelectronics

**STF2458**

SAMHOP

**STF25N60M2**

STMicroelectronics

**STF25N10F7**STMicroelectronics
MOSFET N-CH 100V 19A TO220FP

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

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Email

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Certifications & Memberships



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