

Image may be representation.
See specifications for product details.



STF13NM60N

Manufacturer Part Number	STF13NM60N
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STF13NM60N
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 600V 11A TO220FP
Package	TO-220-3 Full Pack
Data sheet	STF,I,P,U,W13NM60N.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STF13NM60N - STMicroelectronics.New Original in Stock. Download Linear Technology STF13NM60N datasheet/specifications on AllelcoElec.com.
Request a quote for STF13NM60N, please send us email: info@allelco.com

Specifications

STF13NM60N Tech Specifications

STF13NM60N - 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	790 pF @ 50 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	30 nC @ 10 V
Supplier Device Package	TO-220FP	FET Type	N-Channel
Series	MDmesh™ II	FET Feature	-
Rds On (Max) @ Id, Vgs	360mOhm @ 5.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	25W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	TO-220-3 Full Pack	Current - Continuous Drain (Id) @ 25°C	11A (Tc)
Package	Tube	Base Product Number	STF13

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STF13NM60N

Product Attribute				
Part Number	STF13NM60N	STF13N95K3	STF14N80K5	STF140N6F7
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Rds On (Max) @ Id, Vgs	360mOhm @ 5.5A, 10V	850mOhm @ 5A, 10V	445mOhm @ 6A, 10V	3.5mOhm @ 35A, 10V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Base Product Number	STF13	STF13	STF14	STF140
Package	Tube	Tube	Tube	Tube
Package / Case	TO-220-3 Full Pack	TO-220-3 Full Pack	TO-220-3 Full Pack	TO-220-3 Full Pack
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Supplier Device Package	TO-220FP	TO-220FP	TO-220FP	TO-220FP
Drain to Source Voltage (Vdss)	600 V	950 V	800 V	60 V
Vgs(th) (Max) @ Id	4V @ 250µA	5V @ 100µA	5V @ 100µA	4V @ 250µA
Current - Continuous Drain (Id) @ 25°C	11A (Tc)	10A (Tc)	12A (Tc)	70A (Tc)
Gate Charge (Qg) (Max) @ Vgs	30 nC @ 10 V	51 nC @ 10 V	22 nC @ 10 V	55 nC @ 10 V
Series	MDmesh™ II	SuperMESH3™	MDmesh™ K5	STripFET™
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	175°C (TJ)
FET Feature	-	-	-	-
Power Dissipation (Max)	25W (Tc)	40W (Tc)	30W (Tc)	33W (Tc)
Input Capacitance (Ciss) (Max) @ Vds	790 pF @ 50 V	1620 pF @ 100 V	620 pF @ 100 V	3100 pF @ 25 V
Vgs (Max)	±25V	±30V	±30V	±20V

STF13NM60N Datasheet PDF

Download STF13NM60N pdf datasheets and STMicroelectronics documentation for STF13NM60N - STMicroelectronics.

Datasheets

[STF,I,P,U,W13NM60N.pdf](#)

PCN Packaging

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

PCN Assembly/Origin



Assembly Location Expansion 05/Mar/2014.pdf



















PCN Design/Specification



Marking Layout 10/May/2023.pdf

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STF13NK50Z MOS STMicroelectronics	STF140N6F7 STMicroelectronics MOSFET N-CH 60V 70A TO220FP	STF13N65M2 STMicroelectronics MOSFET N-CH 650V 10A TO220FP	STF13NM60ND STMicroelectronics MOSFET N-CH 600V 11A TO220FP	STF140N10F4 STMicroelectronics	STF13N80K5 STMicroelectronics MOSFET N-CH 800V 12A TO220FP
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STF13NK50Z STMicroelectronics MOSFET N-CH 500V 11A TO220FP	STF1409321YAF-S8 USA	STF13NM50N STMicroelectronics MOSFET N-CH 500V 12A TO220FP	STF13N60M2 MOS STMicroelectronics	STF140N8F7 STMicroelectronics MOSFET N-CH 80V 64A TO220FP	STF14NM50N STMicroelectronics MOSFET N-CH 500V 12A 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
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Contact us if you have any questions.

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Certifications & Memberships



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Contact us

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