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See specifications for product details.



STF11NM80

Manufacturer Part Number	STF11NM80
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STF11NM80
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 800V 11A TO220FP
Package	TO-220-3 Full Pack
Data sheet	STx11NM80.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STF11NM80 - STMicroelectronics.New Original in Stock. Download Linear Technology STF11NM80 datasheet/specifications on AllelcoElec.com.
Request a quote for STF11NM80, please send us email: info@allelco.com

Specifications

STF11NM80 Tech Specifications

STF11NM80 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-65°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	5V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	1630 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	43.6 nC @ 10 V
Supplier Device Package	TO-220FP	FET Type	N-Channel
Series	MDmesh™	FET Feature	-
Rds On (Max) @ Id, Vgs	400mOhm @ 5.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	35W (Tc)	Drain to Source Voltage (Vdss)	800 V
Package / Case	TO-220-3 Full Pack	Current - Continuous Drain (Id) @ 25°C	11A (Tc)
Package	Tube	Base Product Number	STF11

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STF11NM80

Product Attribute				
Part Number	STF11NM80	STF11N65M5	STF12N120K5	STF11NM50N
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Power Dissipation (Max)	35W (Tc)	25W (Tc)	40W (Tc)	25W (Tc)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
FET Feature	-	-	-	-
Vgs (Max)	±30V	±25V	±30V	±25V
Base Product Number	STF11	STF11	STF12	STF11
Package / Case	TO-220-3 Full Pack	TO-220-3 Full Pack	TO-220-3 Full Pack	TO-220-3 Full Pack
Series	MDmesh™	MDmesh™ V	MDmesh™ K5	MDmesh™ II
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Drain to Source Voltage (Vdss)	800 V	650 V	1200 V	500 V
Input Capacitance (Ciss) (Max) @ Vds	1630 pF @ 25 V	644 pF @ 100 V	1370 pF @ 100 V	547 pF @ 50 V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Gate Charge (Qg) (Max) @ Vgs	43.6 nC @ 10 V	17 nC @ 10 V	44.2 nC @ 10 V	19 nC @ 10 V
Rds On (Max) @ Id, Vgs	400mOhm @ 5.5A, 10V	480mOhm @ 4.5A, 10V	690mOhm @ 6A, 10V	470mOhm @ 4.5A, 10V
Vgs(th) (Max) @ Id	5V @ 250µA	5V @ 250µA	5V @ 100µA	4V @ 250µA
Operating Temperature	-65°C ~ 150°C (TJ)	150°C (TJ)	-55°C ~ 150°C (TJ)	150°C (TJ)
Supplier Device Package	TO-220FP	TO-220FP	TO-220FP	TO-220FP
Current - Continuous Drain (Id) @ 25°C	11A (Tc)	9A (Tc)	12A (Tc)	8.5A (Tc)
Package	Tube	Tube	Tube	Tube

STF11NM80 Datasheet PDF

Download STF11NM80 pdf datasheets and STMicroelectronics documentation for STF11NM80 - STMicroelectronics.

Datasheets











[STx11NM80.pdf](#)

PCN Assembly/Origin

[Mult Dev Assembly Chg 18/Oct/2019.pdf](#)

Customers Also Interested in

Recommended Products

					
STF11N65M5 STMicroelectronics MOSFET N-CH 650V 9A TO220FP	STF11NM60 STMicroelectronics	STF12A60 SEMIWELL	STF12N120K5 STMicroelectronics MOSFET N-CH 1200V 12A TO220FP	STF11NM50N STMicroelectronics MOSFET N-CH 500V 8.5A TO220FP	STF11NM50N 11NM50N STMicroelectronics
					
STF11NM60ND STMicroelectronics MOSFET N-CH 600V 10A TO220FP	STF12N50M2 STMicroelectronics MOSFET N-CH 500V 10A TO220FP	STF11NM65N STMicroelectronics MOSFET N-CH 650V 11A TO220FP	STF11NM65 STMicroelectronics	STF11NM60N STMicroelectronics MOSFET N-CH 600V 10A TO220FP	STF12N65M2 STMicroelectronics MOSFET N-CH 650V 8A TO220FP
					
STF11NM50N MOS STMicroelectronics	STF12N60M2 STMicroelectronics MOSFET N-CH 600V 9A TO220FP	STF11NM60D STMicroelectronics	STF12N50DM2 STMicroelectronics MOSFET N-CH 500V 11A TO220FP	STF12A80 SEMIWELL	STF12N50U STMicroelectronics

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.



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-  Efficient Supply Management
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

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