



Image may be representation.
See specifications for product details.



STW21NM60N

Manufacturer Part Number	STW21NM60N
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STW21NM60N
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 600V 17A TO247-3
Package	TO-247-3
Data sheet	STx21NM60N(-1).pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STW21NM60N - STMicroelectronics.New Original in Stock. Download Linear Technology STW21NM60N datasheet/specifications on AllelcoElec.com.
Request a quote for STW21NM60N, please send us email: info@allelco.com

Specifications

STW21NM60N Tech Specifications

STW21NM60N - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	150°C (TJ)
Vgs(th) (Max) @ Id	4V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±25V	Input Capacitance (Ciss) (Max) @ Vds	1900 pF @ 50 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	66 nC @ 10 V
Supplier Device Package	TO-247-3	FET Type	N-Channel
Series	MDmesh™	FET Feature	-
Rds On (Max) @ Id, Vgs	220mOhm @ 8.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	140W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	TO-247-3	Current - Continuous Drain (Id) @ 25°C	17A (Tc)
Package	Tube	Base Product Number	STW21N

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STW21NM60N

Product Attribute				
Part Number	STW21NM60N	STW21N150K5	STW21N90K5	STW21NM60ND
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Input Capacitance (Ciss) (Max) @ Vds	1900 pF @ 50 V	3145 pF @ 100 V	1645 pF @ 100 V	1800 pF @ 50 V
Series	MDmesh™	MDmesh™ K5	SuperMESH5™	FDmesh™ II
Vgs(th) (Max) @ Id	4V @ 250µA	5V @ 100µA	5V @ 100µA	5V @ 250µA
Vgs (Max)	±25V	±30V	±30V	±25V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Power Dissipation (Max)	140W (Tc)	446W (Tc)	250W (Tc)	140W (Tc)
Rds On (Max) @ Id, Vgs	220mOhm @ 8.5A, 10V	900mOhm @ 7A, 10V	299mOhm @ 9A, 10V	220mOhm @ 8.5A, 10V
Supplier Device Package	TO-247-3	TO-247-3	TO-247-3	TO-247-3
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Package	Tube	Tube	Tube	Tube
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Operating Temperature	150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	150°C (TJ)
Gate Charge (Qg) (Max) @ Vgs	66 nC @ 10 V	89 nC @ 10 V	43 nC @ 10 V	60 nC @ 10 V
FET Feature	-	-	-	-
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Current - Continuous Drain (Id) @ 25°C	17A (Tc)	14A (Tc)	18.5A (Tc)	17A (Tc)
Base Product Number	STW21N	STW21	STW21	STW21
Drain to Source Voltage (Vdss)	600 V	1500 V	900 V	600 V

STW21NM60N Datasheet PDF

Download STW21NM60N pdf datasheets and STMicroelectronics documentation for STW21NM60N - STMicroelectronics.

Datasheets

STx21NM60N(-1).pdf

Customers Also Interested in

Recommended Products



STW21NM60ND MOS
STMicroelectronics

STW21N150K5
STMicroelectronics
MOSFET N-CH 1500V 14A TO247

STW21N90K5
STMicroelectronics
MOSFET N-CH 900V 18.5A TO247-3

STW21NM60ND
STMicroelectronics
MOSFET N-CH 600V 17A TO247-3

STW20NM60FD
STMicroelectronics
MOSFET N-CH 600V 20A TO247-3

STW220NF55
STMicroelectronics



STW23N85K5
STMicroelectronics
MOSFET N-CH 850V 19A TO247



STW220NF75
STMicroelectronics
MOSFET N-CH 75V 120A TO247-3



STW21NM50N
STMicroelectronics
MOSFET N-CH 500V 18A TO247-3



STW22NM60N
STMicroelectronics
MOSFET N-CH 600V 16A TO247-3



STW23N80K5
STMicroelectronics
MOSFET N-CH 800V 16A TO247



STW22N95K5
STMicroelectronics
MOSFET N-CH 950V 17.5A TO247



STW22N95K5 MOS
STMicroelectronics

STW20NM60
STMicroelectronics
MOSFET N-CH 600V 20A TO247-3



STW21NM60
STMicroelectronics



STW20NM50
STMicroelectronics
MOSFET N-CH 550V 20A TO247-3



STW21N65M5
STMicroelectronics
MOSFET N-CH 650V 17A TO247-3



STW20NM50FD
STMicroelectronics
MOSFET N-CH 500V 20A TO247-3

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



[View More](#)