

Image may be representation.  
See specifications for product details.



## STP25NM60N

Manufacturer Part Number	<b>STP25NM60N</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STP25NM60N
ECAD Model	Request Free CAD Models
Parts Description	MOSFET N-CH 600V 21A TO220AB
Package	TO-220-3
Data sheet	<b>STx25NM60N(-1).pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STP25NM60N - STMicroelectronics.New Original in Stock. Download Linear Technology STP25NM60N datasheet/specifications on AllelcoElec.com.  
Request a quote for STP25NM60N, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STP25NM60N Tech Specifications  
STP25NM60N - 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	2400 pF @ 50 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	84 nC @ 10 V
Supplier Device Package	TO-220	FET Type	N-Channel
Series	MDmesh™ II	FET Feature	-
Rds On (Max) @ Id, Vgs	160mOhm @ 10.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	160W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	21A (Tc)
Package	Tube	Base Product Number	STP25N

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STP25NM60N

Product Attribute				
Part Number	STP25NM60N	STP25N60M2-EP	STP25N80K5	STP25NM50N
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Vgs(th) (Max) @ Id	4V @ 250µA	4.75V @ 250µA	5V @ 100µA	4V @ 250µA
Rds On (Max) @ Id, Vgs	160mOhm @ 10.5A, 10V	188mOhm @ 9A, 10V	260mOhm @ 19.5A, 10V	140mOhm @ 11A, 10V
Current - Continuous Drain (Id) @ 25°C	21A (Tc)	18A (Tc)	19.5A (Tc)	22A (Tc)
Operating Temperature	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)
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Vgs (Max)	±25V	±25V	±30V	±25V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
FET Feature	-	-	-	-
Input Capacitance (Ciss) (Max) @ Vds	2400 pF @ 50 V	1090 pF @ 100 V	1600 pF @ 100 V	2565 pF @ 25 V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Drain to Source Voltage (Vdss)	600 V	600 V	800 V	500 V
Package	Tube	Tube	Tube	Tube
Supplier Device Package	TO-220	TO-220	TO-220	TO-220
Gate Charge (Qg) (Max) @ Vgs	84 nC @ 10 V	29 nC @ 10 V	40 nC @ 10 V	84 nC @ 10 V
Base Product Number	STP25N	STP25	STP25	STP25N
Series	MDmesh™ II	MDmesh™ M2-EP	SuperMESH5™	MDmesh™
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Power Dissipation (Max)	160W (Tc)	150W (Tc)	250W (Tc)	160W (Tc)

### STP25NM60N Datasheet PDF

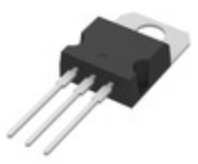
Download STP25NM60N pdf datasheets and STMicroelectronics documentation for STP25NM60N - STMicroelectronics.

#### Datasheets

STx25NM60N(-1).pdf

### Customers Also Interested in

#### Recommended Products

**STP25N60M2-EP**STMicroelectronics  
MOSFET N-CH 600V 18A TO220**STP25N80K5**STMicroelectronics  
MOSFET N-CH 800V 19.5A TO220**STP260N6F6 MOS**

STMicroelectronics

**STP2640LF**

SYMM

**STP25NM50N**STMicroelectronics  
MOSFET N-CH 500V 22A TO220AB**STP24NM65N**STMicroelectronics  
MOSFET N-CH 650V 19A TO220AB**STP26N60DM6**STMicroelectronics  
MOSFET N-CH 600V 18A TO220**STP24NM60N**STMicroelectronics  
MOSFET N-CH 600V 17A TO220**STP260N6F6**STMicroelectronics  
MOSFET N-CH 60V 120A TO220**STP260N4F7ES**

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**STP25N06**

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**STP25N10F7**STMicroelectronics  
MOSFET N-CH 100V 25A TO220**STP26N60M2**STMicroelectronics  
MOSFET N-CHANNEL 600V 20A TO220**STP265N6F6AG**STMicroelectronics  
MOSFET N-CH 60V 180A TO220**STP260N4F7**STMicroelectronics  
MOSFET N-CHANNEL 40V 120A TO220**STP2545CGY**

NA

**STP25NM60ND**STMicroelectronics  
MOSFET N-CH 600V 21A TO220AB**STP25N10F7 MOS**

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  
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Contact us if you have any questions.

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