



Image may be representation.  
See specifications for product details.



## STW30N65M5

Manufacturer Part Number	<b>STW30N65M5</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STW30N65M5
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 650V 22A TO247-3
Package	TO-247-3
Data sheet	<b>STx30N65M5.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STW30N65M5 - STMicroelectronics.New Original in Stock. Download Linear Technology STW30N65M5 datasheet/specifications on AllelcoElec.com.  
Request a quote for STW30N65M5, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STW30N65M5 Tech Specifications  
STW30N65M5 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	150°C (TJ)
Vgs(th) (Max) @ Id	5V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±25V	Input Capacitance (Ciss) (Max) @ Vds	2880 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	64 nC @ 10 V
Supplier Device Package	TO-247-3	FET Type	N-Channel
Series	MDmesh™ V	FET Feature	-
Rds On (Max) @ Id, Vgs	139mOhm @ 11A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	140W (Tc)	Drain to Source Voltage (Vdss)	650 V
Package / Case	TO-247-3	Current - Continuous Drain (Id) @ 25°C	22A (Tc)
Package	Tube	Base Product Number	STW30

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STW30N65M5

Product Attribute				
Part Number	STW30N65M5	STW28N60DM2	STW30NM50N	STW30NM60ND
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Operating Temperature	150°C (TJ)	-55°C ~ 150°C (TJ)	150°C (TJ)	150°C (TJ)
Vgs(th) (Max) @ Id	5V @ 250µA	5V @ 250µA	4V @ 250µA	5V @ 250µA
Supplier Device Package	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Power Dissipation (Max)	140W (Tc)	170W (Tc)	190W (Tc)	190W (Tc)
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Drain to Source Voltage (Vdss)	650 V	600 V	500 V	600 V
Base Product Number	STW30	STW28	STW30N	STW30N
Package	Tube	Tube	Tube	Tube
Rds On (Max) @ Id, Vgs	139mOhm @ 11A, 10V	160mOhm @ 10.5A, 10V	115mOhm @ 13.5A, 10V	130mOhm @ 12.5A, 10V
Vgs (Max)	±25V	±25V	±25V	±25V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Gate Charge (Qg) (Max) @ Vgs	64 nC @ 10 V	34 nC @ 10 V	94 nC @ 10 V	100 nC @ 10 V
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Current - Continuous Drain (Id) @ 25°C	22A (Tc)	21A (Tc)	27A (Tc)	25A (Tc)
Input Capacitance (Ciss) (Max) @ Vds	2880 pF @ 100 V	1500 pF @ 100 V	2740 pF @ 50 V	2800 pF @ 50 V
FET Feature	-	-	-	-
Series	MDmesh™ V	MDmesh™ DM2	MDmesh™ II	FDmesh™ 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)

### STW30N65M5 Datasheet PDF

Download STW30N65M5 pdf datasheets and STMicroelectronics documentation for STW30N65M5 - STMicroelectronics.

#### Datasheets

STx30N65M5.pdf

#### PCN Design/Specification

Mult Dev Adv Material Notice 8/Apr/2019.pdf

#### PCN Assembly/Origin



## Customers Also Interested in

### Recommended Products

**STW28N60DM2**STMicroelectronics  
MOSFET N-CH 600V 21A TO247**STW30NM50N**STMicroelectronics  
MOSFET N-CH 500V 27A TO247-3**STW30NM60ND**STMicroelectronics  
MOSFET N-CH 600V 25A TO247-3**STW28NM50N**STMicroelectronics  
MOSFET N-CH 500V 21A TO247-3**STW27N60M2-EP**STMicroelectronics  
MOSFET N-CH 600V 20A TO247-3**STW30NF20**STMicroelectronics  
MOSFET N-CH 200V 30A TO247-3**STW28NM60ND**STMicroelectronics  
MOSFET N-CH 600V 23A TO247**STW29NK50ZD**STMicroelectronics  
MOSFET N-CH 500V 29A TO247-3**STW30NM60N**STMicroelectronics  
MOSFET N-CH 600V 25A TO247-3**STW29NK50Z**STMicroelectronics  
MOSFET N-CH 500V 31A TO247-3**STW28NM50N MOS**

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**STW33N60M2**STMicroelectronics  
MOSFET N-CH 600V 26A TO247**STW31N65M5**STMicroelectronics  
MOSFET N-CH 650V 22A TO247**STW32NM50N**STMicroelectronics  
MOSFET N-CH 500V 22A TO-247**STW32N65M5**STMicroelectronics  
MOSFET N-CH 650V 24A TO247-3**STW33N60DM2**STMicroelectronics  
MOSFET N-CH 600V 24A TO247**STW28NK60Z**STMicroelectronics  
MOSFET N-CH 600V 27A TO247-3**STW28N60M2**STMicroelectronics  
MOSFET N-CH 600V 24A TO247

## 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 -



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Contact us if you have any questions.



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### Certifications & Memberships



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