



Image may be representation.  
See specifications for product details.



## STP57N65M5

Manufacturer Part Number	<b>STP57N65M5</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STP57N65M5
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 650V 42A TO220
Package	TO-220-3
Data sheet	<b>STx57N65M5.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STP57N65M5 - STMicroelectronics.New Original in Stock. Download Linear Technology STP57N65M5 datasheet/specifications on AllelcoElec.com.  
Request a quote for STP57N65M5, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STP57N65M5 Tech Specifications

STP57N65M5 - 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	4200 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	98 nC @ 10 V
Supplier Device Package	TO-220	FET Type	N-Channel
Series	MDmesh™ V	FET Feature	-
Rds On (Max) @ Id, Vgs	63mOhm @ 21A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	250W (Tc)	Drain to Source Voltage (Vdss)	650 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	42A (Tc)
Package	Tube	Base Product Number	STP57

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STP57N65M5

Product Attribute				
Part Number	STP57N65M5	STP5N105K5	STP5N95K3	STP5N52K3
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
FET Feature	-	-	-	-
Series	MDmesh™ V	MDmesh™ K5	SuperMESH3™	SuperMESH3™
Gate Charge (Qg) (Max) @ Vgs	98 nC @ 10 V	12.5 nC @ 10 V	19 nC @ 10 V	14 nC @ 10 V
Supplier Device Package	TO-220	TO-220	TO-220	TO-220
Power Dissipation (Max)	250W (Tc)	85W (Tc)	90W (Tc)	70W (Tc)
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Vgs (Max)	±25V	±30V	±30V	±30V
Vgs(th) (Max) @ Id	5V @ 250µA	5V @ 100µA	5V @ 100µA	4.5V @ 50µA
Rds On (Max) @ Id, Vgs	63mOhm @ 21A, 10V	3.50hm @ 1.5A, 10V	3.50hm @ 2A, 10V	1.50hm @ 2.2A, 10V
Operating Temperature	150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Drain to Source Voltage (Vdss)	650 V	1050 V	950 V	525 V
Package	Tube	Tube	Tube	Tube
Input Capacitance (Ciss) (Max) @ Vds	4200 pF @ 100 V	210 pF @ 100 V	460 pF @ 25 V	450 pF @ 100 V
Current - Continuous Drain (Id) @ 25°C	42A (Tc)	3A (Tc)	4A (Tc)	4.4A (Tc)
Base Product Number	STP57	STP5N105	STP5N	STP5N
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
FET Type	N-Channel	N-Channel	N-Channel	N-Channel

### STP57N65M5 Datasheet PDF

Download STP57N65M5 pdf datasheets and STMicroelectronics documentation for STP57N65M5 - STMicroelectronics.

#### Datasheets

STx57N65M5.pdf

#### PCN Design/Specification

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

#### PCN Assembly/Origin



## Customers Also Interested in

### Recommended Products



**STP55NF06L MOS**  
STMicroelectronics



**STP55NF03L**  
STMicroelectronics



**STP5N105K5**  
STMicroelectronics  
MOSFET N-CH 1050V 3A TO220



**STP5N60FI**  
STMicroelectronics



**STP5N90**  
STMicroelectronics



**STP5N95K3**  
STMicroelectronics  
MOSFET N-CH 950V 4A TO220



**STP5N52K3**  
STMicroelectronics  
MOSFET N-CH 525V 4.4A TO220



**STP5N95K5**  
STMicroelectronics  
MOSFET N-CH 950V 3.5A TO220



**STP55NE06LFP**  
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**STP5N80K5**  
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MOSFET N-CH 800V 4A TO220



**STP55NF06 MOS**  
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**STP55NF06**  
STMicroelectronics  
MOSFET N-CH 60V 50A TO220AB



**STP55NF06L**  
STMicroelectronics  
MOSFET N-CH 60V 55A TO220AB



**STP5N120**  
STMicroelectronics  
MOSFET N-CH 1200V 4.7A TO220-3



**STP55NF06FP**  
STMicroelectronics  
MOSFET N-CH 60V 50A TO220FP



**STP55NE06L**  
STMicroelectronics



**STP5N60M2**  
STMicroelectronics  
MOSFET N-CH 600V 3.7A TO220



**STP55NF06LFP**  
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.



## Your Faithful Supply Chain Partner -



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Contact us if you have any questions.



Phone

+00852 9146 4856



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info@allelco.com

## Certifications & Memberships



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