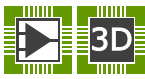






# STFW69N65M5

Manufacturer Part Number	<b>STFW69N65M5</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STFW69N65M5
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	MOSFET N-CH 650V 58A ISOWATT
Package	TO-3P-3 Full Pack
Data sheet	<b>ST(F)W69N65M5.pdf</b>
RoHs Status	 ROHS3 Compliant



Get a Quote

STFW69N65M5 - STMicroelectronics. New Original in Stock. Download Linear Technology STFW69N65M5 datasheet/specifications on AllelcoElec.com.

Request a quote for STFW69N65M5, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications





STFW69N65M5 Tech Specifications

STFW69N65M5 - 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	6420 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	143 nC @ 10 V
Supplier Device Package	TO-3PF	FET Type	N-Channel
Series	MDmesh™ V	FET Feature	-
Rds On (Max) @ Id, Vgs	45mOhm @ 29A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	79W (Tc)	Drain to Source Voltage (Vdss)	650 V
Package / Case	TO-3P-3 Full Pack	Current - Continuous Drain (Id) @ 25°C	58A (Tc)
Package	Tube	Base Product Number	STFW69

## Parts with Similar Specifications


The three parts on the right have similar specifications to STMicroelectronics STFW69N65M5

Product Attribute	 NO PICTURE	 life.augmented	 life.augmented	 life.augmented
Part Number	STFW69N65M5	STFW4N150	STFW3N150	STFW12N120K5
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Base Product Number	STFW69	STFW4	STFW3	STFW12
Input Capacitance (Ciss) (Max) @ Vds	6420 pF @ 100 V	1300 pF @ 25 V	939 pF @ 25 V	1370 pF @ 100 V
Vgs (Max)	±25V	±30V	±30V	±30V
Series	MDmesh™ V	PowerMESH™	PowerMESH™	MDmesh™ K5
Rds On (Max) @ Id, Vgs	45mOhm @ 29A, 10V	70hm @ 2A, 10V	90hm @ 1.3A, 10V	690mOhm @ 6A, 10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
FET Feature	-	-	-	-
Supplier Device Package	TO-3PF	TO-3PF	TO-3PF	TO-3PF
Operating Temperature	150°C (TJ)	150°C (TJ)	150°C (TJ)	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	5V @ 250µA	5V @ 250µA	5V @ 250µA	5V @ 100µA
Drain to Source Voltage (Vdss)	650 V	1500 V	1500 V	1200 V
Current - Continuous Drain (Id) @ 25°C	58A (Tc)	4A (Tc)	2.5A (Tc)	12A (Tc)
Package	Tube	Tube	Tube	Tube
Power Dissipation (Max)	79W (Tc)	63W (Tc)	63W (Tc)	63W (Tc)
Gate Charge (Qg) (Max) @ Vgs	143 nC @ 10 V	50 nC @ 10 V	29.3 nC @ 10 V	44.2 nC @ 10 V
Package / Case	TO-3P-3 Full Pack	TO-3P-3 Full Pack	TO-3P-3 Full Pack	TO-3P-3 Full Pack
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V

## STFW69N65M5 Datasheet PDF

Download STFW69N65M5 pdf datasheets and STMicroelectronics documentation for STFW69N65M5 - STMicroelectronics.

### Datasheets


ST(F)W69N65M5.pdf

## Customers Also Interested in

### Recommended Products



**STFW4N150**  
STMicroelectronics  
MOSFET N-CH 1500V 4A ISOWATT



**STFW45N65M5 MOS**  
STMicroelectronics



**STFW3N150**  
STMicroelectronics  
MOSFET N-CH 1500V 2.5A ISOWATT



**STFW12N120K5**  
STMicroelectronics  
MOSFET N-CH 1200V 12A ISOWATT



**STFU9N60M2**  
STMicroelectronics



**STFW24N60M2**  
STMicroelectronics  
MOSFET N-CH 600V 18A TO3PF



**STFU18N60M2**  
STMicroelectronics  
MOSFET N-CH 600V TO-220FP



**STFW4N150 MOS**  
STMicroelectronics



**STFU28N65M2**  
STMicroelectronics  
MOSFET N-CH 650V 20A TO220FP



**STFU15NM65N**  
STMicroelectronics  
MOSFET N-CH 650V 12A TO220FP



**STFW45N65M5**  
STMicroelectronics  
MOSFET N-CH 650V 35A ISOWATT



**STFW6N120K3**  
STMicroelectronics  
MOSFET N-CH 1200V 6A ISOWATT



**STFU15NM60N**  
STMicroelectronics



**STFU15N80K5**  
STMicroelectronics  
MOSFET N-CH 800V 14A TO220FP



**STFW3N150 MOS**  
STMicroelectronics



**STFU18N65M2**  
STMicroelectronics  
MOSFET N-CH 650V 12A TO220FP



**STFW38N65M5**  
STMicroelectronics  
MOSFET N-CH 650V 30A ISOWATT



**STFW3N170**  
STMicroelectronics  
MOSFET N-CH 1700V 2.6A ISOWATT

## 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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