

Image may be representation.
See specifications for product details.



STP15N65M5

Manufacturer Part Number	STP15N65M5
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STP15N65M5
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N CH 650V 11A TO220
Package	TO-220-3
Data sheet	STF,FI,P15N65M5.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STP15N65M5 - STMicroelectronics.New Original in Stock. Download Linear Technology STP15N65M5 datasheet/specifications on AllelcoElec.com.
Request a quote for STP15N65M5, please send us email: info@allelco.com

Specifications

STP15N65M5 Tech Specifications
STP15N65M5 - 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	810 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	22 nC @ 10 V
Supplier Device Package	TO-220	FET Type	N-Channel
Series	MDmesh™ V	FET Feature	-
Rds On (Max) @ Id, Vgs	340mOhm @ 5.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	125W (Tc)	Drain to Source Voltage (Vdss)	650 V
Package / Case	TO-220-3	Current - Continuous Drain (Id) @ 25°C	11A (Tc)
Package	Tube	Base Product Number	STP15

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STP15N65M5

Product Attribute				
Part Number	STP15N65M5	STP15N95K5	STP15NK502FP	STP15NM65N
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Vgs(th) (Max) @ Id	5V @ 250µA	5V @ 100µA	4.5V @ 100µA	4V @ 250µA
Vgs (Max)	±25V	±30V	±30V	±25V
Power Dissipation (Max)	125W (Tc)	170W (Tc)	40W (Tc)	125W (Tc)
Package	Tube	Tube	Tube	Tube
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Package / Case	TO-220-3	TO-220-3	TO-220-3 Full Pack	TO-220-3
Series	MDmesh™ V	SuperMESH5™	SuperMESH™	MDmesh™ II
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Input Capacitance (Ciss) (Max) @ Vds	810 pF @ 100 V	900 pF @ 100 V	2260 pF @ 25 V	983 pF @ 50 V
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
FET Feature	-	-	-	-
Operating Temperature	150°C (TJ)	-55°C ~ 150°C (TJ)	-50°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Drain to Source Voltage (Vdss)	650 V	950 V	500 V	650 V
Base Product Number	STP15	STP15	STP15N	STP15N
Rds On (Max) @ Id, Vgs	340mOhm @ 5.5A, 10V	500mOhm @ 6A, 10V	340mOhm @ 7A, 10V	380mOhm @ 6A, 10V
Supplier Device Package	TO-220	TO-220	TO-220FP	TO-220
Current - Continuous Drain (Id) @ 25°C	11A (Tc)	12A (Tc)	14A (Tc)	12A (Tc)
Gate Charge (Qg) (Max) @ Vgs	22 nC @ 10 V	40 nC @ 10 V	106 nC @ 10 V	33.3 nC @ 10 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)

STP15N65M5 Datasheet PDF

Download STP15N65M5 pdf datasheets and STMicroelectronics documentation for STP15N65M5 - STMicroelectronics.

Datasheets

STF,FI,P15N65M5.pdf

PCN Design/Specification

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

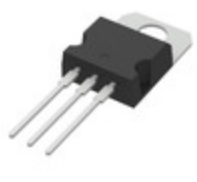


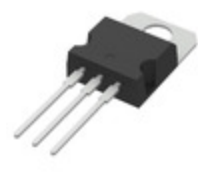













Datasheet Rev 09/Feb/2022.pdf

PCN Assembly/Origin

PCN Packaging

Customers Also Interested in

Recommended Products

					
STP15N95K5 STMicroelectronics MOSFET N-CH 950V 12A TO220	STP15NK50ZFP STMicroelectronics MOSFET N-CH 500V 14A TO220FP	STP15NM65N STMicroelectronics MOSFET N-CH 650V 12A TO220	STP150NF04 STMicroelectronics MOSFET N-CH 40V 80A TO220AB	STP15810 STMicroelectronics	STP150NF55 STMicroelectronics MOSFET N-CH 55V 120A TO220AB
					
STP150N3LLH6 STMicroelectronics MOSFET N-CH 30V 80A TO220AB	STP15NM60ND STMicroelectronics MOSFET N-CH 600V 14A TO220AB	STP150N10F7 STMicroelectronics MOSFET N-CH 100V 110A TO220	STP14NM65N STMicroelectronics MOSFET N-CH 650V 12A TO220AB	STP14NM50N STMicroelectronics MOSFET N-CH 500V 12A TO220	STP140NF55 STMicroelectronics
					
STP15NM60N STMicroelectronics MOSFET N-CH 600V 14A TO220AB	STP15N80K5 STMicroelectronics MOSFET N-CH 800V 14A TO220	STP15NK50Z STMicroelectronics MOSFET N-CH 500V 14A TO220AB	STP160N4LF6 STMicroelectronics MOSFET N-CH 40V 120A TO220	STP150NF55 MOS STMicroelectronics	STP160N3LL STMicroelectronics MOSFET N-CH 30V 120A TO220

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
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Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
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Certifications & Memberships



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Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com