



Image may be representation.
See specifications for product details.



STD15N65M5

Manufacturer Part Number	STD15N65M5
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STD15N65M5
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N CH 650V 11A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	STB,D15N65M5.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STD15N65M5 - STMicroelectronics. New Original in Stock. Download Linear Technology STD15N65M5 datasheet/specifications on AllelcoElec.com.
Request a quote for STD15N65M5, please send us email: info@allelco.com

Specifications

STD15N65M5 Tech Specifications
STD15N65M5 - 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	Surface Mount
Vgs (Max)	±25V	Input Capacitance (Ciss) (Max) @ Vds	816 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	22 nC @ 10 V
Supplier Device Package	DPAK	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)	85W (Tc)	Drain to Source Voltage (Vdss)	650 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	Current - Continuous Drain (Id) @ 25°C	11A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STD15

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STD15N65M5

Product Attribute				
Part Number	STD15N65M5	STD15N50M2AG	STD15N3LH6	STD15NF10T4
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
FET Feature	-	-	-	-
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	5V, 10V	10V
Supplier Device Package	DPAK	D-PAK (TO-252)	D-PAK (TO-252)	DPAK
Vgs (Max)	±25V	±30V	±20V	±20V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Power Dissipation (Max)	85W (Tc)	85W (Tc)	110W (Tc)	70W (Tc)
Operating Temperature	150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Drain to Source Voltage (Vdss)	650 V	500 V	30 V	100 V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Rds On (Max) @ Id, Vgs	340mOhm @ 5.5A, 10V	380mOhm @ 5A, 10V	3mOhm @ 40A, 10V	65mOhm @ 12A, 10V
Current - Continuous Drain (Id) @ 25°C	11A (Tc)	10A (Tc)	80A (Tc)	23A (Tc)
Input Capacitance (Ciss) (Max) @ Vds	816 pF @ 100 V	530 pF @ 100 V	3800 pF @ 25 V	870 pF @ 25 V
Vgs(th) (Max) @ Id	5V @ 250µA	4V @ 250µA	2.5V @ 250µA	4V @ 250µA
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63
Series	MDmesh™ V	Automotive, AEC-Q101, MDmesh™ M2	DeepGATE™, STRipFET™ VI	STRipFET™ II
Gate Charge (Qg) (Max) @ Vgs	22 nC @ 10 V	13 nC @ 10 V	80 nC @ 5 V	40 nC @ 10 V
Base Product Number	STD15	STD15	STD155	STD15

STD15N65M5 Datasheet PDF

Download STD15N65M5 pdf datasheets and STMicroelectronics documentation for STD15N65M5 - STMicroelectronics.

Datasheets

[STB,D15N65M5.pdf](#)



















PCN Assembly/Origin

[IPG-PWR/14/8552 23/Jun/2014.pdf](#)

PCN Design/Specification

Customers Also Interested in

Recommended Products

 STD165GK08 SIRECTIFIER IGBT Module	 STD15N50M2AG STMicroelectronics MOSFET N-CHANNEL 500V 10A DPAK	 STD155N3LH6 STMicroelectronics MOSFET N-CH 30V 80A DPAK	 STD150NH3LLH6 STMicroelectronics	 STD15NF10 STMicroelectronics	 STD160 STMicroelectronics
 STD15NF10T4 STMicroelectronics MOSFET N-CH 100V 23A DPAK	 STD165GK14 SIRECTIFIER IGBT Module	 STD15P6F6AG STMicroelectronics MOSFET P-CH 60V 10A DPAK	 STD160-1 STMicroelectronics	 STD165GK08B SIRECTIFIER IGBT Module	 STD150NH02LT4 STMicroelectronics MOSFET N-CH 24V 150A DPAK
 STD15A STD	 STD150NH02L-1 STMicroelectronics MOSFET N-CH 24V 150A IPAK	 STD15N06L STMicroelectronics	 STD155N3H6 STMicroelectronics MOSFET N-CH 30V 80A DPAK	 STD150NH02L-1 MOS STMicroelectronics	 STD15N60M2-EP STMicroelectronics MOSFET N-CH 600V 11A DPAK

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

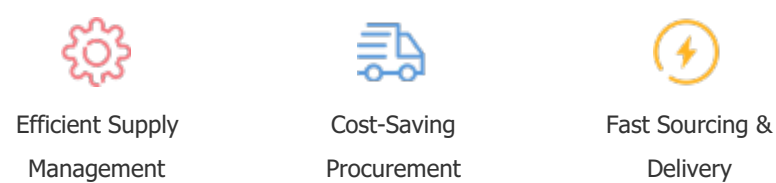
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

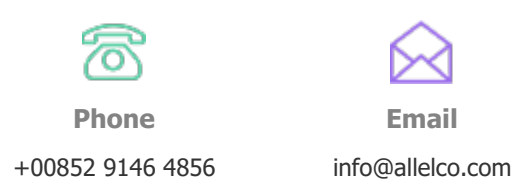
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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