



Image may be representation.
See specifications for product details.



STB35N65M5

Manufacturer Part Number	STB35N65M5
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STB35N65M5
ECAD Model	PCB Footprint and Symbol
Parts Description	MOSFET N-CH 650V 27A D2PAK
Package	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Data sheet	STx35N65M5.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STB35N65M5 - STMicroelectronics.New Original in Stock. Download Linear Technology STB35N65M5 datasheet/specifications on AllelcoElec.com.
Request a quote for STB35N65M5, please send us email: info@allelco.com

Specifications

STB35N65M5 Tech Specifications
STB35N65M5 - 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	3750 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	83 nC @ 10 V
Supplier Device Package	D2PAK	FET Type	N-Channel
Series	MDmesh™ V	FET Feature	-
Rds On (Max) @ Id, Vgs	98mOhm @ 13.5A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	160W (Tc)	Drain to Source Voltage (Vdss)	650 V
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	27A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STB35

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STB35N65M5

Product Attribute				
Part Number	STB35N65M5	STB35NF10T4	STB33N60DM2	STB35N60DM2
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	MDmesh™ V	STripFET™ II	MDmesh™ DM2	MDmesh™ DM2
Vgs (Max)	±25V	±20V	±25V	±25V
Input Capacitance (Ciss) (Max) @ Vds	3750 pF @ 100 V	1550 pF @ 25 V	1870 pF @ 100 V	2400 pF @ 100 V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Operating Temperature	150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Power Dissipation (Max)	160W (Tc)	115W (Tc)	190W (Tc)	210W (Tc)
Rds On (Max) @ Id, Vgs	98mOhm @ 13.5A, 10V	35mOhm @ 17.5A, 10V	130mOhm @ 12A, 10V	110mOhm @ 14A, 10V
Base Product Number	STB35	STB35N	STB33	STB35
Supplier Device Package	D2PAK	D2PAK	D ² PAK (TO-263)	D ² PAK (TO-263)
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs(th) (Max) @ Id	5V @ 250µA	4V @ 250µA	5V @ 250µA	5V @ 250µA
Current - Continuous Drain (Id) @ 25°C	27A (Tc)	40A (Tc)	24A (Tc)	28A (Tc)
Package / Case	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB
Drain to Source Voltage (Vdss)	650 V	100 V	600 V	600 V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Gate Charge (Qg) (Max) @ Vgs	83 nC @ 10 V	55 nC @ 10 V	43 nC @ 10 V	54 nC @ 10 V
FET Feature	-	-	-	-

STB35N65M5 Datasheet PDF

Download STB35N65M5 pdf datasheets and STMicroelectronics documentation for STB35N65M5 - STMicroelectronics.

Datasheets

[STx35N65M5.pdf](#)

PCN Packaging



















[Mult Dev Inner Box Chg 9/Dec/2021.pdf](#)

PCN Design/Specification

PCN Obsolescence/ EOL

Customers Also Interested in

Recommended Products

 STB35NF10T4 STMicroelectronics MOSFET N-CH 100V 40A D2PAK	 STB36NF03L STMicroelectronics	 STB33N60DM2 STMicroelectronics MOSFET N-CH 600V 24A D2PAK	 STB35N60DM2 STMicroelectronics MOSFET N-CH 600V 28A D2PAK	 STB36NM60ND STMicroelectronics MOSFET N-CH 600V 29A D2PAK	 STB34NM65ND STMicroelectronics
 STB36N60M6 STMicroelectronics MOSFET N-CH 600V 30A D2PAK	 STB34NM60N STMicroelectronics MOSFET N-CH 600V 29A D2PAK	 STB33N60M2 STMicroelectronics MOSFET N-CH 600V 26A D2PAK	 STB34NM60ND STMicroelectronics MOSFET N-CH 600V 29A D2PAK	 STB33N65M2 STMicroelectronics MOSFET N-CH 650V 24A D2PAK	 STB35NF10 VBSEMI
 STB35NF10T4 MOS STMicroelectronics	 STB36NM60N STMicroelectronics MOSFET N-CH 600V 29A D2PAK	 STB36NF06LT4 STMicroelectronics MOSFET N-CH 60V 30A D2PAK	 STB37N60DM2AG STMicroelectronics MOSFET N-CH 600V 28A D2PAK	 STB34N65M5 STMicroelectronics MOSFET N-CH 650V 28A D2PAK	 STB32NM50N STMicroelectronics MOSFET N CH 500V 22A D2PAK

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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 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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Contact us if you have any questions.

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Certifications & Memberships



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