



Image may be representation.  
See specifications for product details.



## STB6N60M2

Manufacturer Part Number	<b>STB6N60M2</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STB6N60M2
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	MOSFET N-CH 600V 4.5A D2PAK
Package	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
Data sheet	<b>STx6N60M2.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STB6N60M2 - STMicroelectronics.New Original in Stock. Download Linear Technology STB6N60M2 datasheet/specifications on AllelcoElec.com.  
Request a quote for STB6N60M2, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STB6N60M2 Tech Specifications  
STB6N60M2 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±25V	Input Capacitance (Ciss) (Max) @ Vds	232 pF @ 100 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	8 nC @ 10 V
Supplier Device Package	D2PAK	FET Type	N-Channel
Series	MDmesh™ II Plus	FET Feature	-
Rds On (Max) @ Id, Vgs	1.20hm @ 2.25A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	60W (Tc)	Drain to Source Voltage (Vdss)	600 V
Package / Case	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	4.5A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STB6N60

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STB6N60M2

Product Attribute				
Part Number	STB6N60M2	STB6N80K5	STB6N65K3	STB6N62K3
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-	150°C (TJ)
Mounting Type	Surface Mount	Surface Mount	-	Surface Mount
Power Dissipation (Max)	60W (Tc)	85W (Tc)	-	90W (Tc)
Current - Continuous Drain (Id) @ 25°C	4.5A (Tc)	4.5A (Tc)	5.4A (Tc)	5.5A (Tc)
Package / Case	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	-	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	-	MOSFET (Metal Oxide)
FET Feature	-	-	-	-
Supplier Device Package	D2PAK	D <sup>2</sup> PAK (TO-263)	-	D <sup>2</sup> PAK (TO-263)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Rds On (Max) @ Id, Vgs	1.20hm @ 2.25A, 10V	1.60hm @ 2A, 10V	-	1.20hm @ 2.8A, 10V
Base Product Number	STB6N60	STB6N80	STB6N65	STB6N
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	-	10V
FET Type	N-Channel	N-Channel	-	N-Channel
Input Capacitance (Ciss) (Max) @ Vds	232 pF @ 100 V	255 pF @ 100 V	-	875 pF @ 50 V
Vgs(th) (Max) @ Id	4V @ 250µA	5V @ 100µA	-	4.5V @ 50µA
Gate Charge (Qg) (Max) @ Vgs	8 nC @ 10 V	7.5 nC @ 10 V	-	34 nC @ 10 V
Vgs (Max)	±25V	30V	-	±30V
Drain to Source Voltage (Vdss)	600 V	800 V	-	620 V
Series	MDmesh™ II Plus	SuperMESH5™	-	SuperMESH3™

### STB6N60M2 Datasheet PDF

Download STB6N60M2 pdf datasheets and STMicroelectronics documentation for STB6N60M2 - STMicroelectronics.

#### Datasheets

[STx6N60M2.pdf](#)

#### PCN Packaging



















[Box Label Chg 28/Jul/2016.pdf](#)

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

#### PCN Design/Specification

## Customers Also Interested in

### Recommended Products

 <b>STB6N80K5</b> STMicroelectronics MOSFET N-CH 800V 4.5A D2PAK	 <b>STB6N65K3</b> STMicroelectronics MOSFET N-CH 650V DPAK	 <b>STB65E5</b> EIC Semiconductor, Inc.	 <b>STB6NC60</b> STMicroelectronics	 <b>STB60NH02LT4 MOS</b> STMicroelectronics	 <b>STB6N62K3</b> STMicroelectronics MOSFET N-CH 620V 5.5A D2PAK
 <b>STB6NC90C</b> STMicroelectronics	 <b>STB6NC60-1</b> STMicroelectronics	 <b>STB65E0</b> EIC Semiconductor, Inc.	 <b>STB6NC60T4</b> STMicroelectronics	 <b>STB6100/DPH</b> STMicroelectronics	 <b>STB6518</b> EIC Semiconductor, Inc.
 <b>STB6N65M2</b> STMicroelectronics MOSFET N-CH 650V 4A D2PAK	 <b>STB60NH02LT4</b> STMicroelectronics MOSFET N-CH 24V 60A D2PAK	 <b>STB6NB90</b> STMicroelectronics	 <b>STB6100</b> STMicroelectronics	 <b>STB65G0</b> EIC Semiconductor, Inc.	 <b>STB6100T</b> 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

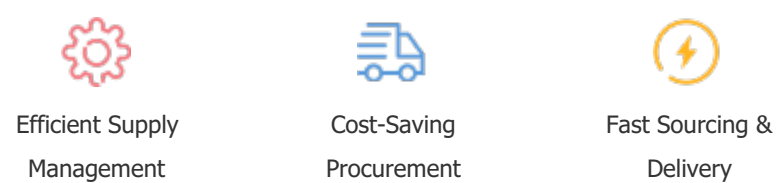
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### Payment Support

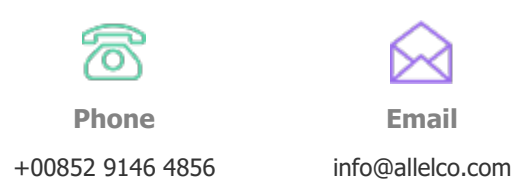
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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