



Image may be representation.  
See specifications for product details.



## STB130N6F7

Manufacturer Part Number	<b>STB130N6F7</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STB130N6F7
ECAD Model	PCB Footprint and Symbol
Parts Description	MOSFET N-CH 60V 80A D2PAK
Package	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
Data sheet	<b>STB130N6F7.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STB130N6F7 - STMicroelectronics.New Original in Stock. Download Linear Technology STB130N6F7 datasheet/specifications on AllelcoElec.com.  
Request a quote for STB130N6F7, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STB130N6F7 Tech Specifications  
STB130N6F7 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	-55°C ~ 175°C (TJ)
Vgs(th) (Max) @ Id	4V @ 250µA	Mounting Type	Surface Mount
Vgs (Max)	±20V	Input Capacitance (Ciss) (Max) @ Vds	2600 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	42 nC @ 10 V
Supplier Device Package	D <sup>2</sup> PAK (TO-263)	FET Type	N-Channel
Series	STripFET™ F7	FET Feature	-
Rds On (Max) @ Id, Vgs	5mOhm @ 40A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	160W (Tc)	Drain to Source Voltage (Vdss)	60 V
Package / Case	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	Current - Continuous Drain (Id) @ 25°C	80A (Tc)
Package	Tape & Reel (TR)	Base Product Number	STB130

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STB130N6F7

Product Attribute				
Part Number	STB130N6F7	<b>STB12NM60N</b>	<b>STB140N4F6</b>	<b>STB12NM50T4</b>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-	-65°C ~ 150°C (TJ)
Input Capacitance (Ciss) (Max) @ Vds	2600 pF @ 25 V	960 pF @ 50 V	-	1000 pF @ 25 V
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	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
Series	STripFET™ F7	MDmesh™ II	STripFET™ F6	MDmesh™
Vgs (Max)	±20V	±25V	-	±30V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Rds On (Max) @ Id, Vgs	5mOhm @ 40A, 10V	410mOhm @ 5A, 10V	-	350mOhm @ 6A, 10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Vgs(th) (Max) @ Id	4V @ 250µA	4V @ 250µA	-	5V @ 50µA
Supplier Device Package	D <sup>2</sup> PAK (TO-263)	D2PAK	D <sup>2</sup> PAK (TO-263)	D2PAK
Gate Charge (Qg) (Max) @ Vgs	42 nC @ 10 V	30.5 nC @ 10 V	-	39 nC @ 10 V
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	4.5V, 10V	10V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Power Dissipation (Max)	160W (Tc)	90W (Tc)	168W (Tc)	160W (Tc)
FET Feature	-	-	-	-
FET Type	N-Channel	N-Channel	N-Channel	N-Channel
Base Product Number	STB130	STB12N	STB140	STB12N
Current - Continuous Drain (Id) @ 25°C	80A (Tc)	10A (Tc)	80A (Tc)	12A (Tc)
Drain to Source Voltage (Vdss)	60 V	600 V	40 V	550 V

### STB130N6F7 Datasheet PDF

Download STB130N6F7 pdf datasheets and STMicroelectronics documentation for STB130N6F7 - STMicroelectronics.

#### Datasheets

[STB130N6F7.pdf](#)



















#### PCN Packaging

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

#### PCN Assembly/Origin

## Customers Also Interested in

### Recommended Products

 <b>STB12NM60N</b> STMicroelectronics MOSFET N-CH 600V 10A D2PAK	 <b>STB140NF55T4 MOS</b> STMicroelectronics	 <b>STB140N4F6</b> STMicroelectronics MOSFET N-CH 40V 80A D2PAK	 <b>STB12NM50T4</b> STMicroelectronics MOSFET N-CH 550V 12A D2PAK	 <b>STB13NK60ZT4 MOS</b> STMicroelectronics	 <b>STB13NM60N</b> STMicroelectronics MOSFET N-CH 600V 11A D2PAK
 <b>STB140NF55T4</b> STMicroelectronics MOSFET N-CH 55V 80A D2PAK	 <b>STB13005A</b> STMicroelectronics	 <b>STB13007DT4</b> STMicroelectronics TRANS NPN 400V 8A D2PAK	 <b>STB13NK60ZT4</b> STMicroelectronics MOSFET N-CH 600V 13A D2PAK	 <b>STB13N80K5</b> STMicroelectronics MOSFET N-CH 800V 12A D2PAK	 <b>STB12NM50T4 MOS</b> STMicroelectronics
 <b>STB13005-1</b> STMicroelectronics TRANS NPN 400V 4A I2PAK	 <b>STB12NM50N</b> STMicroelectronics MOSFET N-CH 500V 11A D2PAK	 <b>STB12NM50ND</b> STMicroelectronics MOSFET N-CH 500V 11A D2PAK	 <b>STB13N60M2</b> STMicroelectronics MOSFET N-CH 600V 11A D2PAK	 <b>STB12NM60NT4</b> STMicroelectronics	 <b>STB12NM50FD-1</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 -

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Contact us if you have any questions.

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### Certifications & Memberships



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### Contact us

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