

Image may be representation.  
See specifications for product details.



## STGP30V60F

Manufacturer Part Number	<b>STGP30V60F</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STGP30V60F
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	<b>IGBT 600V 60A 260W TO220AB</b>
Package	<b>TO-220-3</b>
Data sheet	STGP30V60F.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STGP30V60F - STMicroelectronics. New Original in Stock. Download Linear Technology STGP30V60F datasheet/specifications on AllelcoElec.com. Request a quote for STGP30V60F, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STGP30V60F Tech Specifications  
STGP30V60F - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tube
Voltage - Collector Emitter Breakdown (Max)	600 V	Operating Temperature	-55°C ~ 175°C (TJ)
Vce(on) (Max) @ Vge, Ic	2.3V @ 15V, 30A	Mounting Type	Through Hole
Test Condition	400V, 30A, 100hm, 15V	Input Type	Standard
Td (on/off) @ 25°C	45ns/189ns	IGBT Type	Trench Field Stop
Switching Energy	383µJ (on), 233µJ (off)	Gate Charge	163 nC
Supplier Device Package	TO-220	Current - Collector Pulsed (Icm)	120 A
Series	-	Current - Collector (Ic) (Max)	60 A
Power - Max	260 W	Base Product Number	STGP30
Package / Case	TO-220-3		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STGP30V60F

Product Attribute				
Part Number	STGP30V60F	STGP30H60DFB	STGP7NC60HD	STGP30NC60S
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Power - Max	260 W	260 W	80 W	175 W
Voltage - Collector Emitter Breakdown (Max)	600 V	600 V	600 V	600 V
Input Type	Standard	Standard	Standard	Standard
Package	Tube	Tube	Tube	Tube
Switching Energy	383µJ (on), 233µJ (off)	383µJ (on), 293µJ (off)	95µJ (on), 115µJ (off)	300µJ (on), 1.28mJ (off)
Gate Charge	163 nC	149 nC	35 nC	96 nC
Base Product Number	STGP30	STGP30	STGP7	STGP30
Series	-	-	PowerMESH™	PowerMESH™
Current - Collector Pulsed (Icm)	120 A	120 A	50 A	150 A
Supplier Device Package	TO-220	TO-220	TO-220	TO-220
Package / Case	TO-220-3	TO-220-3	TO-220-3	TO-220-3
Vce(on) (Max) @ Vge, Ic	2.3V @ 15V, 30A	2V @ 15V, 30A	2.5V @ 15V, 7A	1.9V @ 15V, 20A
Td (on/off) @ 25°C	45ns/189ns	37ns/146ns	18.5ns/72ns	21.5ns/180ns
Test Condition	400V, 30A, 100hm, 15V	400V, 30A, 100hm, 15V	390V, 7A, 100hm, 15V	480V, 20A, 100hm, 15V
Current - Collector (Ic) (Max)	60 A	60 A	25 A	55 A
IGBT Type	Trench Field Stop	Trench Field Stop	-	-
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)

### STGP30V60F Datasheet PDF

Download STGP30V60F pdf datasheets and STMicroelectronics documentation for STGP30V60F - STMicroelectronics.

#### PCN Design/Specification

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

#### PCN Obsolescence/ EOL












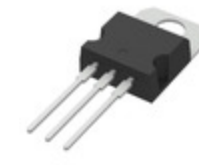






STGx obs 08/Jul/2022.pdf

#### PCN Assembly/Origin

IGBT/IPM TFS A/T Add 22/Oct/2021.pdf

## Customers Also Interested in

### Recommended Products

 <b>STGP30H60DFB</b> STMicroelectronics TRENCH GATE FIELD-STOP IGBT, HB	 <b>STGP7NC60HD</b> STMicroelectronics IGBT 600V 25A 80W TO220	 <b>STGP30NC60S</b> STMicroelectronics IGBT 600V 55A 175W TO220	 <b>STGP3HF60HD</b> STMicroelectronics IGBT BIPO 600V 3A TO220	 <b>STGP20NC60V</b> STMicroelectronics IGBT 600V 60A 200W TO220	 <b>STGP6NC60HD</b> STMicroelectronics IGBT 600V 15A 56W TO220
 <b>STGP20V60F</b> STMicroelectronics IGBT 600V 40A 167W TO220AB	 <b>STGP20V60DF</b> STMicroelectronics IGBT 600V 40A 167W TO220AB	 <b>STGP30H60DF</b> STMicroelectronics IGBT 600V 60A 260W TO220	 <b>STGP35HF60W</b> STMicroelectronics IGBT 600V 60A 200W TO220	 <b>STGP7NB60HD</b> STMicroelectronics IGBT 600V 14A 80W TO220	 <b>STGP30V60DF</b> STMicroelectronics IGBT 600V 60A 258W TO220AB
 <b>STGP7NC60H</b> STMicroelectronics IGBT 600V 25A 80W TO220	 <b>STGP20H60DF</b> STMicroelectronics IGBT 600V 40A 167W TO220	 <b>STGP8NC60KD</b> STMicroelectronics IGBT 600V 15A 65W TO220	 <b>STGP3NC120HD</b> STMicroelectronics IGBT 1200V 14A 75W TO220	 <b>STGP7NB60KD</b> STMicroelectronics IGBT 600V 14A 80W TO220	 <b>STGP20M65DF2</b> STMicroelectronics IGBT TRENCH 650V 40A 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

Contact us if you have any questions.

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### Certifications & Memberships



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