



Image may be representation.  
See specifications for product details.



## STGW30V60F

Manufacturer Part Number	<b>STGW30V60F</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STGW30V60F
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	<b>IGBT 600V 60A 260W TO247</b>
Package	<b>TO-247-3</b>
Data sheet	STGW30V60F.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STGW30V60F - STMicroelectronics. New Original in Stock. Download Linear Technology STGW30V60F datasheet/specifications on AllelcoElec.com. Request a quote for STGW30V60F, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STGW30V60F Tech Specifications  
STGW30V60F - 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-247	Current - Collector Pulsed (Icm)	120 A
Series	-	Current - Collector (Ic) (Max)	60 A
Power - Max	260 W	Base Product Number	STGW30
Package / Case	TO-247-3		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STGW30V60F

Product Attribute				
Part Number	STGW30V60F	<b>STGW30H65FB</b>	<b>STGW39NC60VD</b>	<b>STGW35HF60WDI</b>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Current - Collector Pulsed (Icm)	120 A	120 A	220 A	150 A
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Vce(on) (Max) @ Vge, Ic	2.3V @ 15V, 30A	2V @ 15V, 30A	2.4V @ 15V, 30A	2.5V @ 15V, 20A
Power - Max	260 W	260 W	250 W	200 W
Switching Energy	383µJ (on), 233µJ (off)	151µJ (on), 293µJ (off)	333µJ (on), 537µJ (off)	185µJ (off)
Test Condition	400V, 30A, 100hm, 15V	400V, 30A, 100hm, 15V	390V, 30A, 100hm, 15V	390V, 20A, 100hm, 15V
Voltage - Collector Emitter Breakdown (Max)	600 V	650 V	600 V	600 V
Current - Collector (Ic) (Max)	60 A	30 A	80 A	60 A
Base Product Number	STGW30	STGW30	STGW39	STGW35
Series	-	-	PowerMESH™	-
IGBT Type	Trench Field Stop	Trench Field Stop	-	-
Gate Charge	163 nC	149 nC	126 nC	140 nC
Td (on/off) @ 25°C	45ns/189ns	37ns/146ns	33ns/178ns	30ns/175ns
Input Type	Standard	Standard	Standard	Standard
Package	Tube	Tube	Tube	Tube
Supplier Device Package	TO-247	TO-247	TO-247-3	TO-247-3

### STGW30V60F Datasheet PDF

Download STGW30V60F pdf datasheets and STMicroelectronics documentation for STGW30V60F - 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>STGW30H65FB</b> STMicroelectronics IGBT 650V 30A 260W TO-247	<b>STGW39NC60VD</b> STMicroelectronics IGBT 600V 80A 250W TO247	<b>STGW35HF60WDI</b> STMicroelectronics IGBT 600V 60A 200W TO-247	<b>STGW30NC60WD</b> STMicroelectronics IGBT 600V 60A 200W TO247	<b>STGW35NB60S</b> STMicroelectronics IGBT 600V 70A 200W TO247	<b>STGW35NC120HD</b> STMicroelectronics IGBT 1200V 60A 235W TO247
<b>STGW30V60DF</b> STMicroelectronics IGBT 600V 60A 258W TO-247	<b>STGW38IH130D</b> STMicroelectronics IGBT 1300V 63A 250W TO247	<b>STGW30NC60VD</b> STMicroelectronics IGBT 600V 80A 250W TO247	<b>STGW35NB60SD</b> STMicroelectronics IGBT 600V 70A 200W TO247	<b>STGW30N90D</b> STMicroelectronics IGBT 900V 60A 220W TO247	<b>STGW35HF60W</b> STMicroelectronics IGBT 600V 60A 200W TO247
<b>STGW35HF60WD</b> STMicroelectronics IGBT 600V 60A 200W TO-247	<b>STGW30NC60W</b> STMicroelectronics IGBT 600V 60A 200W TO220	<b>STGW30NC60KD</b> STMicroelectronics IGBT 600V 60A 200W TO247	<b>STGW35NC60WD</b> STMicroelectronics IGBT 600V 70A 260W TO247	<b>STGW30NB60HD</b> STMicroelectronics	<b>STGW30NC120HD</b> STMicroelectronics IGBT 1200V 60A 220W TO247

## 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.

- Phone  
+00852 9146 4856
- Email  
info@allelco.com

### Certifications & Memberships



View More