



Image may be representation.  
See specifications for product details.



## STGW30NC60W

Manufacturer Part Number	<b>STGW30NC60W</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STGW30NC60W
ECAD Model	Request Free CAD Models
Parts Description	IGBT 600V 60A 200W TO220
Package	TO-247-3
Data sheet	<b>STGB,STGP,STGW30NC60W.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STGW30NC60W - STMicroelectronics.New Original in Stock. Download Linear Technology STGW30NC60W datasheet/specifications on AllelcoElec.com.  
Request a quote for STGW30NC60W, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STGW30NC60W Tech Specifications

STGW30NC60W - 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 ~ 150°C (TJ)
Vce(on) (Max) @ Vge, Ic	2.5V @ 15V, 20A	Mounting Type	Through Hole
Test Condition	390V, 20A, 100hm, 15V	Input Type	Standard
Td (on/off) @ 25°C	29.5ns/118ns	IGBT Type	-
Switching Energy	305µJ (on), 181µJ (off)	Gate Charge	102 nC
Supplier Device Package	TO-247-3	Current - Collector Pulsed (Icm)	150 A
Series	PowerMESH™	Current - Collector (Ic) (Max)	60 A
Power - Max	200 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 STGW30NC60W

Product Attribute				
Part Number	STGW30NC60W	STGW30V60F	STGW35HF60WD	STGW30NC60VD
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Base Product Number	STGW30	STGW30	STGW35	STGW30
Supplier Device Package	TO-247-3	TO-247	TO-247-3	TO-247-3
Gate Charge	102 nC	163 nC	140 nC	100 nC
Test Condition	390V, 20A, 100hm, 15V	400V, 30A, 100hm, 15V	400V, 20A, 100hm, 15V	390V, 20A, 3.30hm, 15V
Switching Energy	305µJ (on), 181µJ (off)	383µJ (on), 233µJ (off)	290µJ (on), 185µJ (off)	220µJ (on), 330µJ (off)
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Voltage - Collector Emitter Breakdown (Max)	600 V	600 V	600 V	600 V
Input Type	Standard	Standard	Standard	Standard
Series	PowerMESH™	-	-	PowerMESH™
IGBT Type	-	Trench Field Stop	-	-
Vce(on) (Max) @ Vge, Ic	2.5V @ 15V, 20A	2.3V @ 15V, 30A	2.5V @ 15V, 20A	2.5V @ 15V, 20A
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Power - Max	200 W	260 W	200 W	250 W
Current - Collector Pulsed (Icm)	150 A	120 A	150 A	150 A
Current - Collector (Ic) (Max)	60 A	60 A	60 A	80 A
Package	Tube	Tube	Tube	Tube
Td (on/off) @ 25°C	29.5ns/118ns	45ns/189ns	30ns/175ns	31ns/100ns

### STGW30NC60W Datasheet PDF

Download STGW30NC60W pdf datasheets and STMicroelectronics documentation for STGW30NC60W - STMicroelectronics.

#### Datasheets

[STGB,STGP,STGW30NC60W.pdf](#)

#### PCN Obsolescence/ EOL

[Multiple Devices 01/Aug/2014.pdf](#)

#### PCN Assembly/Origin

[IPG/14/8475 16/May/2014.pdf](#)

## Customers Also Interested in

### Recommended Products



**STGW30V60F**  
STMicroelectronics  
IGBT 600V 60A 260W TO247



**STGW35HF60WD**  
STMicroelectronics  
IGBT 600V 60A 200W TO-247



**STGW30NB60HD**  
STMicroelectronics



**STGW30NC60VD**  
STMicroelectronics  
IGBT 600V 80A 250W TO247



**STGW30H60DLFB**  
STMicroelectronics  
IGBT HB 600V 30A HS TO247



**STGW30N90D**  
STMicroelectronics  
IGBT 900V 60A 220W TO247



**STGW30NC60KD**  
STMicroelectronics  
IGBT 600V 60A 200W TO247



**STGW30NC60WD**  
STMicroelectronics  
IGBT 600V 60A 200W TO247



**STGW30H60DFB**  
STMicroelectronics  
IGBT 600V 60A 260W TO247



**STGW30V60DF**  
STMicroelectronics  
IGBT 600V 60A 258W TO247



**STGW30H65FB**  
STMicroelectronics  
IGBT 650V 30A 260W TO-247



**STGW35NB60SD**  
STMicroelectronics  
IGBT 600V 70A 200W TO247



**STGW28IH125DF**  
STMicroelectronics  
IGBT 1250V 60A 375W TO-247



**STGW35NC120HD**  
STMicroelectronics  
IGBT 1200V 60A 235W TO247



**STGW35HF60WDI**  
STMicroelectronics  
IGBT 600V 60A 200W TO-247



**STGW35HF60W**  
STMicroelectronics  
IGBT 600V 60A 200W TO247



**STGW35NB60S**  
STMicroelectronics  
IGBT 600V 70A 200W TO247



**STGW30NC120HD**  
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  
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### Certifications & Memberships



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