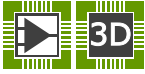





# STGW30NC60VD

Manufacturer Part Number	<b>STGW30NC60VD</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STGW30NC60VD
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	IGBT 600V 80A 250W TO247
Package	TO-247-3
Data sheet	<b>STGW30NC60VD.pdf</b>
RoHs Status	 ROHS3 Compliant



**Get a Quote**

STGW30NC60VD - STMicroelectronics.New Original in Stock. Download Linear Technology STGW30NC60VD datasheet/specifications on AllelcoElec.com.  
Request a quote for STGW30NC60VD, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications





STGW30NC60VD Tech Specifications

STGW30NC60VD - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package / Case	TO-247-3
Voltage - Collector Emitter Breakdown (Max)	600 V	Package	Tube
Vce(on) (Max) @ Vge, Ic	2.5V @ 15V, 20A	Operating Temperature	-55°C ~ 150°C (TJ)
Test Condition	390V, 20A, 3.30hm, 15V	Mounting Type	Through Hole
Td (on/off) @ 25°C	31ns/100ns	Input Type	Standard
Switching Energy	220µJ (on), 330µJ (off)	IGBT Type	-
Supplier Device Package	TO-247-3	Gate Charge	100 nC
Series	PowerMESH™	Current - Collector Pulsed (Icm)	150 A
Reverse Recovery Time (trr)	44 ns	Current - Collector (Ic) (Max)	80 A
Power - Max	250 W	Base Product Number	STGW30

## Parts with Similar Specifications

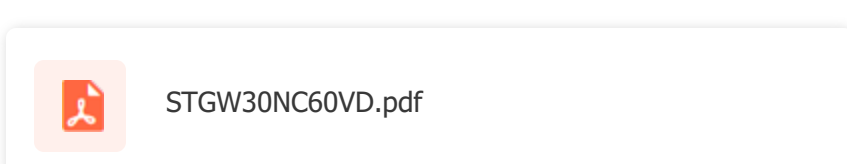
The three parts on the right have similar specifications to STMicroelectronics STGW30NC60VD

Product Attribute				
Part Number	STGW30NC60VD	STGW30H60DFB	STGW30NC60KD	STGW30NC120HD
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Series	PowerMESH™	-	PowerMESH™	PowerMESH™
Td (on/off) @ 25°C	31ns/100ns	37ns/146ns	29ns/120ns	29ns/275ns
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Test Condition	390V, 20A, 3.30hm, 15V	400V, 30A, 100hm, 15V	480V, 20A, 100hm, 15V	960V, 20A, 100hm, 15V
Package	Tube	Tube	Tube	Tube
Base Product Number	STGW30	STGW30	STGW30	STGW30
Voltage - Collector Emitter Breakdown (Max)	600 V	600 V	600 V	1200 V
Current - Collector Pulsed (Icm)	150 A	120 A	125 A	-
Supplier Device Package	TO-247-3	TO-247	TO-247-3	TO-247-3
Power - Max	250 W	260 W	200 W	220 W
Vce(on) (Max) @ Vge, Ic	2.5V @ 15V, 20A	2V @ 15V, 30A	2.7V @ 15V, 20A	2.75V @ 15V, 20A
Gate Charge	100 nC	149 nC	96 nC	110 nC
Switching Energy	220µJ (on), 330µJ (off)	383µJ (on), 293µJ (off)	350µJ (on), 435µJ (off)	1.66mJ (on), 4.44mJ (off)
Current - Collector (Ic) (Max)	80 A	60 A	60 A	60 A
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Reverse Recovery Time (trr)	44 ns	53 ns	40 ns	152 ns
Input Type	Standard	Standard	Standard	Standard
IGBT Type	-	Trench Field Stop	-	-

## STGW30NC60VD Datasheet PDF

Download STGW30NC60VD pdf datasheets and STMicroelectronics documentation for STGW30NC60VD - STMicroelectronics.

### Datasheets



## Customers Also Interested in

### Recommended Products



**STGW30NB60HD**  
STMicroelectronics



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



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



**STGW30NC120HD**  
STMicroelectronics  
IGBT 1200V 60A 220W TO247



**STGW30NC60W**  
STMicroelectronics  
IGBT 600V 60A 200W TO220

**STGW25M120DF3**  
STMicroelectronics  
IGBT 1200V 50A 375W



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



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



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



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



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



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



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



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



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



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



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



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

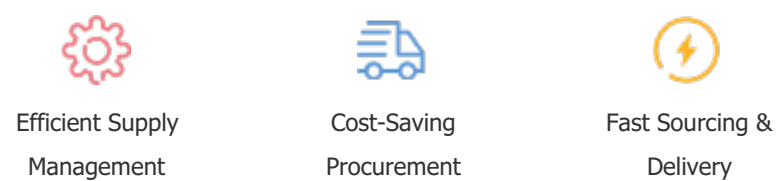
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

## Payment Support

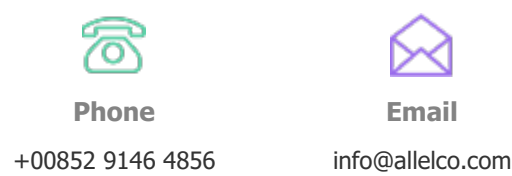
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -



Contact us if you have any questions.



## Certifications & Memberships



[View More](#)