



Image may be representation.
See specifications for product details.



STGWF30NC60S

Manufacturer Part Number	STGWF30NC60S
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STGWF30NC60S
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IGBT 600V 35A 79W TO3P
Package	TO-3P-3 Full Pack
Data sheet	STGx30NC60S.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STGWF30NC60S - STMicroelectronics.New Original in Stock. Download Linear Technology STGWF30NC60S datasheet/specifications on AllelcoElec.com.
Request a quote for STGWF30NC60S, please send us email: info@allelco.com

Specifications

STGWF30NC60S Tech Specifications

STGWF30NC60S - 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	1.9V @ 15V, 20A	Mounting Type	Through Hole
Test Condition	480V, 20A, 100hm, 15V	Input Type	Standard
Td (on/off) @ 25°C	21.5ns/180ns	IGBT Type	-
Switching Energy	300µJ (on), 1.28mJ (off)	Gate Charge	96 nC
Supplier Device Package	TO-3P	Current - Collector Pulsed (Icm)	150 A
Series	PowerMESH™	Current - Collector (Ic) (Max)	35 A
Power - Max	79 W	Base Product Number	STGWF30
Package / Case	TO-3P-3 Full Pack		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STGWF30NC60S

Product Attribute				
Part Number	STGWF30NC60S	STGWT30H60DFB	STGWA80H65DFB	STGWT20HP65FB
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Supplier Device Package	TO-3P	TO-3P	TO-247 Long Leads	TO-3P
Switching Energy	300µJ (on), 1.28mJ (off)	383µJ (on), 293µJ (off)	2.1mJ (on), 1.5mJ (off)	170µJ (off)
Package / Case	TO-3P-3 Full Pack	TO-3P-3, SC-65-3	TO-247-3	TO-3P-3, SC-65-3
Current - Collector (Ic) (Max)	35 A	60 A	120 A	40 A
Power - Max	79 W	260 W	469 W	168 W
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Package	Tube	Tube	Tube	Tube
Voltage - Collector Emitter Breakdown (Max)	600 V	600 V	650 V	650 V
Series	PowerMESH™	-	-	HB
Test Condition	480V, 20A, 100hm, 15V	400V, 30A, 100hm, 15V	400V, 80A, 100hm, 15V	400V, 20A, 100hm, 15V
Td (on/off) @ 25°C	21.5ns/180ns	37ns/146ns	84ns/280ns	-/139ns
IGBT Type	-	Trench Field Stop	Trench Field Stop	Trench Field Stop
Base Product Number	STGWF30	STGWT30	STGWA80	STGWT20
Current - Collector Pulsed (Icm)	150 A	120 A	240 A	80 A
Gate Charge	96 nC	149 nC	414 nC	120 nC
Vce(on) (Max) @ Vge, Ic	1.9V @ 15V, 20A	2V @ 15V, 30A	2V @ 15V, 80A	2V @ 15V, 20A
Input Type	Standard	Standard	Standard	Standard
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole

STGWF30NC60S Datasheet PDF

Download STGWF30NC60S pdf datasheets and STMicroelectronics documentation for STGWF30NC60S - STMicroelectronics.

Datasheets

STGx30NC60S.pdf

Customers Also Interested in

Recommended Products



STGWT30H60DFB
STMicroelectronics
IGBT 600V 60A 260W TO3PL



STGWA80H65DFB
STMicroelectronics
IGBT BIPO 650V 80A TO247-3



STGWT20HP65FB
STMicroelectronics
IGBT



STGWA50M65DF2
STMicroelectronics
TRENCH GATE FIELD-STOP IGBT M SE



STGWT20H65FB
STMicroelectronics
IGBT 650V 40A 168W TO3P



STGWT20V60DF
NXP Semiconductors
STGWT20V60DF - IGBT 20A (@100C)



STGWA40S120DF3
STMicroelectronics
IGBT 1200V 40A TO247-3L



STGWA60H65DFB
STMicroelectronics
IGBT BIPO 650V 60A TO247-3



STGWT20H60DF
STMicroelectronics
IGBT 600V 40A 167W TO3PF



STGWT30H65FB
STMicroelectronics
IGBT 650V 30A 260W TO3PL



STGWA50IH65DF
STMicroelectronics
TRENCH GATE FIELD-STOP IGBT 650



STGWA45HF60WDI
STMicroelectronics
IGBT 600V 80A 310W TO247



STGWA75H65DFB2
STMicroelectronics
TRENCH GATE FIELD-STOP, 650 V, 7



STGWT20V60DF
STMicroelectronics
IGBT 600V 40A 167W TO3P-3



STGWA50H65DFB2
STMicroelectronics
DISCRETE



STGWA60V60DF
STMicroelectronics
IGBT BIPO 600V 60A TO247-3



STGWT20IH125DF
STMicroelectronics
IGBT 1250V 40A 259W TO-3P



STGWA80H65FB
STMicroelectronics
IGBT 650V 120A 469W 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

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info@allelco.com

Certifications & Memberships



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