



Image may be representation.
See specifications for product details.



STGF19NC60WD

Manufacturer Part Number	STGF19NC60WD
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STGF19NC60WD
ECAD Model	Request Free CAD Models
Parts Description	IGBT 600V 14A 32W TO220FP
Package	TO-220-3 Full Pack
Data sheet	STGF19NC60WD.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STGF19NC60WD - STMicroelectronics.New Original in Stock. Download Linear Technology STGF19NC60WD datasheet/specifications on AllelcoElec.com.
Request a quote for STGF19NC60WD, please send us email: info@allelco.com

Specifications

STGF19NC60WD Tech Specifications

STGF19NC60WD - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package / Case	TO-220-3 Full Pack
Voltage - Collector Emitter Breakdown (Max)	600 V	Package	Tube
Vce(on) (Max) @ Vge, Ic	2.5V @ 15V, 12A	Operating Temperature	-55°C ~ 150°C (TJ)
Test Condition	390V, 12A, 100hm, 15V	Mounting Type	Through Hole
Td (on/off) @ 25°C	25ns/90ns	Input Type	Standard
Switching Energy	81µJ (on), 125µJ (off)	IGBT Type	-
Supplier Device Package	TO-220FP	Gate Charge	53 nC
Series	PowerMESH™	Current - Collector (Ic) (Max)	14 A
Reverse Recovery Time (trr)	31 ns	Base Product Number	STGF19
Power - Max	32 W		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STGF19NC60WD

Product Attribute				
Part Number	STGF19NC60WD	STGF10M65DF2	STGF10NC60HD	STGF3NC120HD
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Supplier Device Package	TO-220FP	TO-220FP	TO-220FP	TO-220FP
Base Product Number	STGF19	STGF10	STGF10	STGF3
Gate Charge	53 nC	28 nC	19.2 nC	24 nC
Test Condition	390V, 12A, 100hm, 15V	400V, 10A, 220hm, 15V	390V, 5A, 100hm, 15V	800V, 3A, 100hm, 15V
Td (on/off) @ 25°C	25ns/90ns	19ns/91ns	14.2ns/72ns	15ns/118ns
Current - Collector (Ic) (Max)	14 A	20 A	9 A	6 A
Package	Tube	Tube	Tape & Reel (TR)	Tube
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Voltage - Collector Emitter Breakdown (Max)	600 V	650 V	600 V	1200 V
IGBT Type	-	Trench Field Stop	-	-
Switching Energy	81µJ (on), 125µJ (off)	120µJ (on), 270µJ (off)	31.8µJ (on), 95µJ (off)	236µJ (on), 290µJ (off)
Reverse Recovery Time (trr)	31 ns	96 ns	22 ns	51 ns
Series	PowerMESH™	M	PowerMESH™	PowerMESH™
Vce(on) (Max) @ Vge, Ic	2.5V @ 15V, 12A	2V @ 15V, 10A	2.5V @ 15V, 5A	2.8V @ 15V, 3A
Package / Case	TO-220-3 Full Pack	TO-220-3 Full Pack	TO-220-3 Full Pack	TO-220-3 Full Pack
Input Type	Standard	Standard	Standard	Standard
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Power - Max	32 W	30 W	24 W	25 W

STGF19NC60WD Datasheet PDF

Download STGF19NC60WD pdf datasheets and STMicroelectronics documentation for STGF19NC60WD - STMicroelectronics.

Datasheets

STGF19NC60WD.pdf

PCN Obsolescence/ EOL

Multiple Devices 23/Jul/2013.pdf

Customers Also Interested in

Recommended Products



STGF10M65DF2

STMicroelectronics
IGBT TRENCH 650V 20A TO220FP



STGF10NC60HD

STMicroelectronics
IGBT 600V 9A 24W TO220FP



STGF3NC120HD

STMicroelectronics
IGBT 1200V 6A 25W TO220FP



STGF6NC60HD

STMicroelectronics
IGBT 600V 6A 20W TO220FP



STGF7H60DF

STMicroelectronics
IGBT 600V 14A 24W TO-220FP



STGF19NC60KD

STMicroelectronics
IGBT 600V 16A 32W TO220FP



STGF10NC60KD

STMicroelectronics
IGBT 600V 9A 25W TO220FP



STGF19NC60HD

STMicroelectronics
IGBT 600V 16A 32W TO220FP



STGF8NC60KD

STMicroelectronics
IGBT 600V 7A 24W TO220FP



STGF7NC60HD

STMicroelectronics
IGBT 600V 10A 25W TO220FP



STGF15M65DF2

STMicroelectronics
TRENCH GATE FIELD-STOP IGBT M
SE



STGF10NB60SD

STMicroelectronics
IGBT 600V 23A 25W TO220FP



STGF20H60DF

STMicroelectronics
IGBT 600V 40A 37W TO220FP



STGF15H60DF

STMicroelectronics
IGBT 600V 30A 30W TO220FP



STGF14NC60KD

STMicroelectronics
IGBT 600V 11A 28W TO220FP



STGF20M65DF2

STMicroelectronics
IGBT TRENCH 650V 40A TO220FP



STGF30V60DF

STMicroelectronics
IGBT BIPO 600V 30A TO-220



STGF20NB60S

STMicroelectronics
IGBT 600V 24A 40W TO220FP

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
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Certifications & Memberships



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