



Image may be representation.
See specifications for product details.



STGF10H60DF

Manufacturer Part Number	STGF10H60DF
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STGF10H60DF
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IGBT 600V 20A 30W TO220FP
Package	TO-220-3 Full Pack
Data sheet	STGx10H60DF.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STGF10H60DF - STMicroelectronics.New Original in Stock. Download Linear Technology STGF10H60DF datasheet/specifications on AllelcoElec.com.
Request a quote for STGF10H60DF, please send us email: info@allelco.com

Specifications

STGF10H60DF Tech Specifications

STGF10H60DF - 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	1.95V @ 15V, 10A	Operating Temperature	-55°C ~ 175°C (TJ)
Test Condition	400V, 10A, 100hm, 15V	Mounting Type	Through Hole
Td (on/off) @ 25°C	19.5ns/103ns	Input Type	Standard
Switching Energy	83µJ (on), 140µJ (off)	IGBT Type	Trench Field Stop
Supplier Device Package	TO-220FP	Gate Charge	57 nC
Series	-	Current - Collector Pulsed (Icm)	40 A
Reverse Recovery Time (trr)	107 ns	Current - Collector (Ic) (Max)	20 A
Power - Max	30 W	Base Product Number	STGF10

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STGF10H60DF

Product Attribute				
Part Number	STGF10H60DF	STGF15M65DF2	STGF19NC60HD	STGD7NC60HT4
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Current - Collector Pulsed (Icm)	40 A	60 A	60 A	50 A
Switching Energy	83µJ (on), 140µJ (off)	90µJ (on), 450µJ (off)	85µJ (on), 189µJ (off)	95µJ (on), 115µJ (off)
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Gate Charge	57 nC	45 nC	53 nC	35 nC
Series	-	-	PowerMESH™	PowerMESH™
Package	Tube	Tube	Tube	Tape & Reel (TR)
Supplier Device Package	TO-220FP	TO-220FP	TO-220FP	TO-252 (D-Pak)
Mounting Type	Through Hole	Through Hole	Through Hole	Surface Mount
Test Condition	400V, 10A, 100hm, 15V	400V, 15A, 120hm, 15V	390V, 12A, 100hm, 15V	390V, 7A, 100hm, 15V
Current - Collector (Ic) (Max)	20 A	30 A	16 A	25 A
Voltage - Collector Emitter Breakdown (Max)	600 V	650 V	600 V	600 V
IGBT Type	Trench Field Stop	Trench Field Stop	-	-
Base Product Number	STGF10	STGF15	STGF19	STGD7
Vce(on) (Max) @ Vge, Ic	1.95V @ 15V, 10A	2V @ 15V, 15A	2.5V @ 15V, 12A	2.5V @ 15V, 7A
Reverse Recovery Time (trr)	107 ns	142 ns	31 ns	-
Power - Max	30 W	31 W	32 W	70 W
Package / Case	TO-220-3 Full Pack	TO-220-3 Full Pack	TO-220-3 Full Pack	TO-252-3, DPak (2 Leads + Tab), SC-63
Input Type	Standard	Standard	Standard	Standard
Td (on/off) @ 25°C	19.5ns/103ns	24ns/93ns	25ns/97ns	18.5ns/72ns

STGF10H60DF Datasheet PDF

Download STGF10H60DF pdf datasheets and STMicroelectronics documentation for STGF10H60DF - STMicroelectronics.

Datasheets



















[STGx10H60DF.pdf](#)

PCN Assembly/Origin

[IGBT/IPM TFS A/T Add 22/Oct/2021.pdf](#)

Customers Also Interested in

Recommended Products

 life.augmented	 life.augmented				
STGF0U2N100 STMicroelectronics	STGF19NC60KD MOS STMicroelectronics	STGE50NB60HD STMicroelectronics IGBT MOD 600V 100A 300W ISOTOP	STGF15M65DF2 STMicroelectronics TRENCH GATE FIELD-STOP IGBT M SE	STGF19NC60HD STMicroelectronics IGBT 600V 16A 32W TO220FP	STGD7NC60HT4 STMicroelectronics IGBT 600V 25A 70W DPAK
 life.augmented					
STGD7NC60HT4 MOS STMicroelectronics	STGE50NC60WD STMicroelectronics IGBT MOD 600V 100A 260W ISOTOP	STGD8NC60KT4 STMicroelectronics IGBT 600V 15A 62W DPAK	STGF15H60DF STMicroelectronics IGBT 600V 30A 30W TO220FP	STGE50NC60VD STMicroelectronics IGBT MODULE 600V 90A 260W ISOTOP	STGF10M65DF2 STMicroelectronics IGBT TRENCH 650V 20A TO220FP
					
STGF10NB60SD STMicroelectronics IGBT 600V 23A 25W TO220FP	STGF10NC60HD STMicroelectronics IGBT 600V 9A 24W TO220FP	STGF10NC60KD STMicroelectronics IGBT 600V 9A 25W TO220FP	STGD8NC60KDT4 STMicroelectronics IGBT 600V 15A 62W DPAK	STGF14NC60KD STMicroelectronics IGBT 600V 11A 28W TO220FP	STGF19NC60KD STMicroelectronics IGBT 600V 16A 32W 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
+00852 9146 4856
-  Email
info@allelco.com

Certifications & Memberships



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