



Image may be representation.
See specifications for product details.



STGWT60H65DFB

Manufacturer Part Number	STGWT60H65DFB
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STGWT60H65DFB
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IGBT 650V 80A 375W TO3P-3L
Package	TO-3P-3, SC-65-3
Data sheet	STGW(T)60H65DFB.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STGWT60H65DFB - STMicroelectronics.New Original in Stock. Download Linear Technology STGWT60H65DFB datasheet/specifications on AllelcoElec.com.
Request a quote for STGWT60H65DFB, please send us email: info@allelco.com

Specifications

STGWT60H65DFB Tech Specifications
STGWT60H65DFB - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package / Case	TO-3P-3, SC-65-3
Voltage - Collector Emitter Breakdown (Max)	650 V	Package	Tube
Vce(on) (Max) @ Vge, Ic	2V @ 15V, 60A	Operating Temperature	-55°C ~ 175°C (TJ)
Test Condition	400V, 60A, 50hm, 15V	Mounting Type	Through Hole
Td (on/off) @ 25°C	51ns/160ns	Input Type	Standard
Switching Energy	1.09mJ (on), 626µJ (off)	IGBT Type	Trench Field Stop
Supplier Device Package	TO-3P	Gate Charge	306 nC
Series	-	Current - Collector Pulsed (Icm)	240 A
Reverse Recovery Time (trr)	60 ns	Current - Collector (Ic) (Max)	80 A
Power - Max	375 W	Base Product Number	STGWT60

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STGWT60H65DFB

Product Attribute				
Part Number	STGWT60H65DFB	STGYA120M65DF2AG	STGWT30V60DF	STGWT40H65FB
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Gate Charge	306 nC	420 nC	163 nC	210 nC
Reverse Recovery Time (trr)	60 ns	202 ns	53 ns	-
Input Type	Standard	Standard	Standard	Standard
Package	Tube	Tube	Tube	Tube
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Switching Energy	1.09mJ (on), 626µJ (off)	1.8mJ (on), 4.41mJ (off)	383µJ (on), 233µJ (off)	498mJ (on), 363mJ (off)
Current - Collector (Ic) (Max)	80 A	160 A	60 A	80 A
Series	-	M	-	-
Package / Case	TO-3P-3, SC-65-3	TO-247-3	TO-3P-3, SC-65-3	TO-3P-3, SC-65-3
Base Product Number	STGWT60	STGYA120	STGWT30	STGWT40
Current - Collector Pulsed (Icm)	240 A	360 A	120 A	160 A
Supplier Device Package	TO-3P	MAX247™	TO-3P	TO-3P
Voltage - Collector Emitter Breakdown (Max)	650 V	650 V	600 V	650 V
Power - Max	375 W	625 W	258 W	283 W
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Td (on/off) @ 25°C	51ns/160ns	66ns/185ns	45ns/189ns	40ns/142ns
Test Condition	400V, 60A, 50hm, 15V	400V, 120A, 4.70hm, 15V	400V, 30A, 100hm, 15V	400V, 40A, 50hm, 15V
Vce(on) (Max) @ Vge, Ic	2V @ 15V, 60A	2.15V @ 15V, 120A	2.3V @ 15V, 30A	2.3V @ 15V, 40A
IGBT Type	Trench Field Stop	Trench Field Stop	Trench Field Stop	Trench Field Stop

STGWT60H65DFB Datasheet PDF

Download STGWT60H65DFB pdf datasheets and STMicroelectronics documentation for STGWT60H65DFB - STMicroelectronics.

Datasheets

STGW(T)60H65DFB.pdf

PCN Design/Specification



















Mult Dev Adv Material Notice 8/Apr/2019.pdf

TO-3P Marking Chg 11/Apr/2018.pdf

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 life.augmented					 life.augmented
STGYA120M65DF2AG STMicroelectronics IGBT	STGWT30V60DF STMicroelectronics IGBT 600V 60A 258W TO3P-3	STGWT40H65FB STMicroelectronics IGBT 650V 80A 283W TO3P-3L	STGWT40V60DLF STMicroelectronics IGBT 600V 80A 283W TO3P-3	STGWT60H60DLFB STMicroelectronics IGBT 600V 80A 375W TO3P-3L	STGY50NC60WD STMicroelectronics IGBT 600V 110A 278W MAX247
			 life.augmented	 life.augmented	
STGWT40HP65FB STMicroelectronics TRENCH GATE FIELD-STOP IGBT, HB	STGWT80H65DFB STMicroelectronics IGBT 650V 120A 469W TO3P-3L	STGWT80V60DF STMicroelectronics IGBT 600V 120A 469W TO-3P	STGWT40HP65FB MOS STMicroelectronics	STGWT40N65DFB STMicroelectronics	STGWT40H65DFB STMicroelectronics IGBT 650V 80A 283W TO3P-3L
	 life.augmented		 life.augmented		
STGWT40V60DF STMicroelectronics IGBT 600V 80A 283W TO3P-3	STGY40NC60VD STMicroelectronics IGBT 600V 80A 260W MAX247	STGWT30HP65FB STMicroelectronics IGBT TRENCH 650V 60A TO3P	STGYA120M65DF2 STMicroelectronics TRENCH GATE FIELD-STOP IGBT, M S	STGWT60H65FB STMicroelectronics IGBT 650V 80A 375W TO3P-3L	STGWT38IH130D STMicroelectronics IGBT 1300V 63A 250W TO3P

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

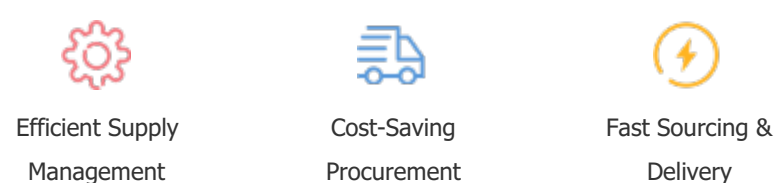
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support

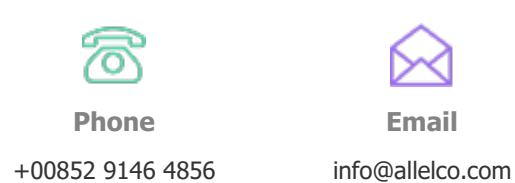
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



[View More](#)

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com