



STGY50NC60WD

Manufacturer Part Number	STGY50NC60WD
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STGY50NC60WD
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IGBT 600V 110A 278W MAX247
Package	TO-247-3
Data sheet	STGY50NC60WD.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STGY50NC60WD - STMicroelectronics.New Original in Stock. Download Linear Technology STGY50NC60WD datasheet/specifications on AllelcoElec.com.
Request a quote for STGY50NC60WD, please send us email: info@allelco.com

Specifications

STGY50NC60WD Tech Specifications
STGY50NC60WD - 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	2.6V @ 15V, 40A	Operating Temperature	-55°C ~ 150°C (TJ)
Test Condition	390V, 40A, 100hm, 15V	Mounting Type	Through Hole
Td (on/off) @ 25°C	52ns/240ns	Input Type	Standard
Switching Energy	365µJ (on), 560µJ (off)	IGBT Type	-
Supplier Device Package	MAX247™	Gate Charge	195 nC
Series	PowerMESH™	Current - Collector Pulsed (Icm)	180 A
Reverse Recovery Time (trr)	55 ns	Current - Collector (Ic) (Max)	110 A
Power - Max	278 W	Base Product Number	STGY50

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STGY50NC60WD

Product Attribute	NO PICTURE			
Part Number	STGY50NC60WD	STGWT60H60DLFB	STGYA120M65DF2AG	STGWT40V60DF
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Input Type	Standard	Standard	Standard	Standard
Supplier Device Package	MAX247™	TO-3P	MAX247™	TO-3P
Td (on/off) @ 25°C	52ns/240ns	-/160ns	66ns/185ns	52ns/208ns
Current - Collector (Ic) (Max)	110 A	80 A	160 A	80 A
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Switching Energy	365µJ (on), 560µJ (off)	626µJ (off)	1.8mJ (on), 4.41mJ (off)	456µJ (on), 411µJ (off)
Current - Collector Pulsed (Icm)	180 A	240 A	360 A	160 A
Package / Case	TO-247-3	TO-3P-3, SC-65-3	TO-247-3	TO-3P-3, SC-65-3
Reverse Recovery Time (trr)	55 ns	-	202 ns	41 ns
Package	Tube	Tube	Tube	Tube
Vce(on) (Max) @ Vge, Ic	2.6V @ 15V, 40A	2V @ 15V, 60A	2.15V @ 15V, 120A	2.3V @ 15V, 40A
Base Product Number	STGY50	STGWT60	STGYA120	STGWT40
Test Condition	390V, 40A, 100hm, 15V	400V, 60A, 50hm, 15V	400V, 120A, 4.70hm, 15V	400V, 40A, 100hm, 15V
Gate Charge	195 nC	306 nC	420 nC	226 nC
IGBT Type	-	Trench Field Stop	Trench Field Stop	Trench Field Stop
Series	PowerMESH™	-	M	-
Voltage - Collector Emitter Breakdown (Max)	600 V	600 V	650 V	600 V
Power - Max	278 W	375 W	625 W	283 W

STGY50NC60WD Datasheet PDF

Download STGY50NC60WD pdf datasheets and STMicroelectronics documentation for STGY50NC60WD - STMicroelectronics.

Datasheets

STGY50NC60WD.pdf

PCN Design/Specification

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

PCN Assembly/Origin



Customers Also Interested in

Recommended Products



STGWT60H60DLFB
STMicroelectronics
IGBT 600V 80A 375W TO3P-3L

STGYA120M65DF2AG
STMicroelectronics
IGBT



STGWT40HP65FB MOS
STMicroelectronics



STGWT40N65DFB
STMicroelectronics



STGWT40V60DF
STMicroelectronics
IGBT 600V 80A 283W TO3P-3

STGY40NC60VD
STMicroelectronics
IGBT 600V 80A 260W MAX247



STGWT40H65FB
STMicroelectronics
IGBT 650V 80A 283W TO3P-3L

STGWT80H65DFB
STMicroelectronics
IGBT 650V 120A 469W TO3P-3L

STGYA120M65DF2
STMicroelectronics
TRENCH GATE FIELD-STOP IGBT, M
S

STGWT60H65FB
STMicroelectronics
IGBT 650V 80A 375W TO3P-3L

STGWT60H65DFB
STMicroelectronics
IGBT 650V 80A 375W TO3P-3L

STGWT80V60DF
STMicroelectronics
IGBT 600V 120A 469W TO-3P



STGWT40H65DFB
STMicroelectronics
IGBT 650V 80A 283W TO3P-3L

STGWT38IH130D
STMicroelectronics
IGBT 1300V 63A 250W TO3P

STGWT40V60DLF
STMicroelectronics
IGBT 600V 80A 283W TO3P-3

STGWT40HP65FB
STMicroelectronics
TRENCH GATE FIELD-STOP IGBT, HB

STGWT30HP65FB
STMicroelectronics
IGBT TRENCH 650V 60A TO3P

STGWT30V60DF
STMicroelectronics
IGBT 600V 60A 258W TO3P-3

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



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