



# NGTB75N65FL2WG

Manufacturer Part Number	<b>NGTB75N65FL2WG</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-NGTB75N65FL2WG
ECAD Model	3D Model
Parts Description	IGBT TRENCH/FS 650V 100A TO247
Package	TO-247-3
Data sheet	<b>NGTB75N65FL2WG.pdf</b>
RoHs Status	ROHS3 Compliant



**Get a Quote**

NGTB75N65FL2WG - onsemi.New Original in Stock. Download Linear Technology NGTB75N65FL2WG datasheet/specifications on AllelcoElec.com.  
Request a quote for NGTB75N65FL2WG, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

NGTB75N65FL2WG Tech Specifications  
NGTB75N65FL2WG - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package / Case	TO-247-3
Voltage - Collector Emitter Breakdown (Max)	650 V	Package	Tube
Vce(on) (Max) @ Vge, Ic	2V @ 15V, 75A	Operating Temperature	-55°C ~ 175°C (TJ)
Test Condition	400V, 75A, 100hm, 15V	Mounting Type	Through Hole
Td (on/off) @ 25°C	110ns/270ns	Input Type	Standard
Switching Energy	1.5mJ (on), 1mJ (off)	IGBT Type	Trench Field Stop
Supplier Device Package	TO-247-3	Gate Charge	310 nC
Series	-	Current - Collector Pulsed (Icm)	200 A
Reverse Recovery Time (trr)	80 ns	Current - Collector (Ic) (Max)	100 A
Power - Max	595 W	Base Product Number	NGTB75

## Parts with Similar Specifications

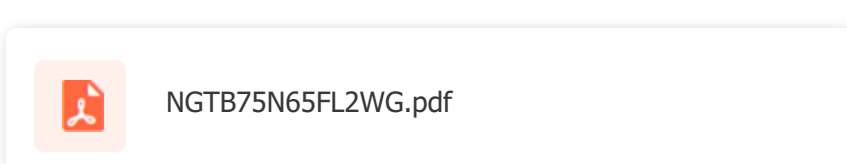
The three parts on the right have similar specifications to onsemi NGTB75N65FL2WG

Product Attribute	NO PICTURE			
Part Number	NGTB75N65FL2WG	NGTB75N60FL2WG	NGTB50N60FWG	NGTB40N65IHRTG
Manufacturer	onsemi	onsemi	onsemi	onsemi
Package / Case	TO-247-3	TO-247-3	-	-
Current - Collector (Ic) (Max)	100 A	100 A	-	-
Base Product Number	NGTB75	NGTB75	NGTB50	NGTB40
Input Type	Standard	Standard	-	-
IGBT Type	Trench Field Stop	Trench Field Stop	-	-
Supplier Device Package	TO-247-3	TO-247-3	-	-
Gate Charge	310 nC	310 nC	-	-
Series	-	-	*	*
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)	-	-
Vce(on) (Max) @ Vge, Ic	2V @ 15V, 75A	2V @ 15V, 75A	-	-
Test Condition	400V, 75A, 100hm, 15V	400V, 75A, 100hm, 15V	-	-
Switching Energy	1.5mJ (on), 1mJ (off)	1.5mJ (on), 1mJ (off)	-	-
Current - Collector Pulsed (Icm)	200 A	200 A	-	-
Power - Max	595 W	595 W	-	-
Voltage - Collector Emitter Breakdown (Max)	650 V	600 V	-	-
Td (on/off) @ 25°C	110ns/270ns	110ns/270ns	-	-
Reverse Recovery Time (trr)	80 ns	80 ns	-	-
Mounting Type	Through Hole	Through Hole	-	-
Package	Tube	Tube	Tube	Tube

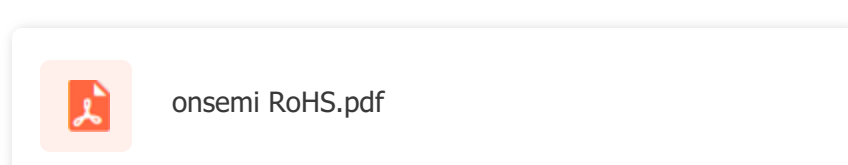
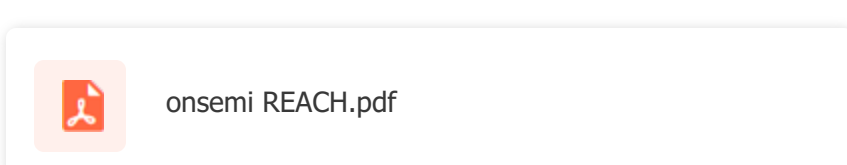
## NGTB75N65FL2WG Datasheet PDF

Download NGTB75N65FL2WG pdf datasheets and onsemi documentation for NGTB75N65FL2WG - onsemi.

### Datasheets



### Environmental Information



### PCN Assembly/Origin



Assembly Change 24/Sep/2021.pdf

## PCN Design/Specification



FPCN20461X 27/nov/2015.pdf

## Customers Also Interested in

### Recommended Products



#### NGTB75N60FL2WG

onsemi  
IGBT 600V 75A TO247



#### NGTB50N60FWG

onsemi  
IGBT 600V 100A 223W TO247



#### NGTB40N65IHRTG

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IGBT 650V 40A



#### NGTB50N65S1WG

onsemi  
IGBT TRENCH 650V 140A TO247



#### NGTB75N65FL2

AMI Semiconductor/onsemi



#### NGTB50N60L2WG

onsemi  
IGBT 600V 50A TO247



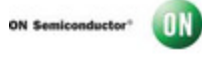
#### NGTB50N120FL2WG

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IGBT 1200V 100A 535W TO247



#### NGTB60N65FL2WG

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IGBT FIELD STOP 650V 100A TO247



#### NGTB50N60FLWG

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IGBT 600V 50A TO247



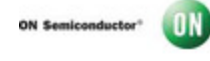
#### NGTB75N65FL2W

AMI Semiconductor/onsemi



#### NGTB45N60S2WG

onsemi  
IGBT 45A 600V TO-247



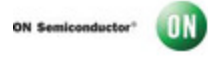
#### NGTG50N60FWG

onsemi  
IGBT 600V 100A 223W TO247



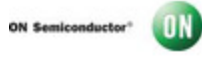
#### NGTB75N60SWG

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IGBT 75A 600V TO-247



#### NGTB50N65FL2WG

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IGBT TRENCH/FS 650V 100A TO247-3



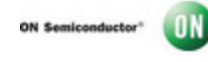
#### NGTB50N60FL2WG

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IGBT 600V 50A TO247



#### NGTB45N60S1WG

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IGBT 45A 600V TO-247



#### NGTB60N60SWG

onsemi  
IGBT 600V 120A 298W TO247



#### NGTG15N60S1EG

onsemi  
IGBT NPT 600V 30A TO220

## 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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