



# NGTB25N120FL2WG

Manufacturer Part Number	<b>NGTB25N120FL2WG</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-NGTB25N120FL2WG
ECAD Model	Request Free CAD Models
Parts Description	IGBT FIELD STOP 1200V 50A TO247
Package	TO-247-3
Data sheet	<b>NGTB25N120FL2WG.pdf</b>
RoHs Status	ROHS3 Compliant



**Get a Quote**

NGTB25N120FL2WG - onsemi.New Original in Stock. Download Linear Technology NGTB25N120FL2WG datasheet/specifications on AllelcoElec.com.  
Request a quote for NGTB25N120FL2WG, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

NGTB25N120FL2WG Tech Specifications  
NGTB25N120FL2WG - 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)	1200 V	Package	Tube
Vce(on) (Max) @ Vge, Ic	2.4V @ 15V, 25A	Operating Temperature	-55°C ~ 175°C (TJ)
Test Condition	600V, 25A, 100hm, 15V	Mounting Type	Through Hole
Td (on/off) @ 25°C	87ns/179ns	Input Type	Standard
Switching Energy	1.95mJ (on), 600µJ (off)	IGBT Type	Field Stop
Supplier Device Package	TO-247-3	Gate Charge	178 nC
Series	-	Current - Collector Pulsed (Icm)	100 A
Reverse Recovery Time (trr)	154 ns	Current - Collector (Ic) (Max)	50 A
Power - Max	385 W	Base Product Number	NGTB25

## Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NGTB25N120FL2WG

Product Attribute	NO PICTURE			
Part Number	NGTB25N120FL2WG	NGTB25N120LWG	NGTB20N135IHRWG	NGTB25N120IHLWG
Manufacturer	onsemi	onsemi	onsemi	onsemi
Switching Energy	1.95mJ (on), 600µJ (off)	3.4mJ (on), 800µJ (off)	600µJ (off)	800µJ (off)
Gate Charge	178 nC	200 nC	234 nC	200 nC
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Supplier Device Package	TO-247-3	TO-247-3	TO-247	TO-247-3
Current - Collector (Ic) (Max)	50 A	50 A	40 A	50 A
IGBT Type	Field Stop	Trench Field Stop	Trench Field Stop	-
Current - Collector Pulsed (Icm)	100 A	200 A	120 A	200 A
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Reverse Recovery Time (trr)	154 ns	-	-	-
Voltage - Collector Emitter Breakdown (Max)	1200 V	1200 V	1350 V	1200 V
Vce(on) (Max) @ Vge, Ic	2.4V @ 15V, 25A	2.3V @ 15V, 25A	2.65V @ 15V, 20A	2.3V @ 15V, 25A
Input Type	Standard	Standard	Standard	Standard
Power - Max	385 W	192 W	394 W	192 W
Package	Tube	Tube	Tube	Tube
Series	-	-	-	-
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-40°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)
Test Condition	600V, 25A, 100hm, 15V	600V, 25A, 100hm, 15V	600V, 20A, 100hm, 15V	600V, 25A, 100hm, 15V
Td (on/off) @ 25°C	87ns/179ns	89ns/235ns	-/245ns	-/235ns
Base Product Number	NGTB25	NGTB25	NGTB20	NGTB25

## NGTB25N120FL2WG Datasheet PDF

Download NGTB25N120FL2WG pdf datasheets and onsemi documentation for NGTB25N120FL2WG - onsemi.

### Datasheets

[NGTB25N120FL2WG.pdf](#)

### Environmental Information

[onsemi REACH.pdf](#)








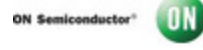




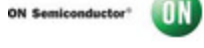
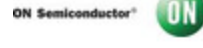
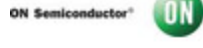

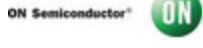
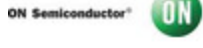
[onsemi RoHS.pdf](#)

### PCN Assembly/Origin

PCN Design/Specification

Customers Also Interested in

Recommended Products

 <b>NGTB25N120LWG</b> onsemi IGBT 1200V 50A 192W TO247-3	 <b>NGTB20N135IHRWG</b> onsemi IGBT TRENCH/FS 1350V 40A TO247	 <b>NGTB25N120IHLWG</b> onsemi IGBT 1200V 50A TO247	 <b>NGTB25N120FL3WG</b> onsemi IGBT 1200V 100A TO247	 <b>NGTB20N120IHL</b> AMI Semiconductor/onsemi	 <b>NGTB25N120SWG</b> onsemi IGBT 25A 1200V TO-247
 <b>NGTB20N120IHRWG</b> onsemi IGBT TRENCH/FS 1200V 40A TO247	 <b>NGTB30N120FL2WG</b> onsemi IGBT TRENCH/FS 1200V 60A TO247	 <b>NGTB30N120L2WG</b> onsemi IGBT 1200V 60A 534W TO247	 <b>NGTB25N120FLWG</b> onsemi IGBT 1200V 25A TO247-3	 <b>NGTB25N120FL</b> AMI Semiconductor/onsemi	 <b>NGTB30N120IHLWG</b> onsemi IGBT 1200V 30A TO247
 <b>NGTB20N60L2TF1G</b> onsemi IGBT 600V 20A TO3PF	 <b>NGTB30N135IHR1WG</b> onsemi IGBT 1350V 30A TO247	 <b>NGTB20N120IHR</b> AMI Semiconductor/onsemi	 <b>NGTB30N135IHR</b> Fairchild (onsemi)	 <b>NGTB20N120IHWG</b> onsemi IGBT 20A 1200V TO-247	 <b>NGTB20N120IHLWG</b> onsemi IGBT 1200V 40A 192W TO247-3

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
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Contact us if you have any questions.

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Certifications & Memberships



View More

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