

Image may be representation.  
See specifications for product details.



## NGTB03N60R2DT4G

Manufacturer Part Number	<b>NGTB03N60R2DT4G</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-NGTB03N60R2DT4G
ECAD Model	Request Free CAD Models
Parts Description	<b>IGBT 9A 600V DPAK</b>
Package	<b>TO-252-3, DPak (2 Leads + Tab), SC-63</b>
Data sheet	NGTB03N60R2DT4G.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

NGTB03N60R2DT4G - onsemi.New Original in Stock. Download Linear Technology NGTB03N60R2DT4G datasheet/specifications on AllelcoElec.com.  
Request a quote for NGTB03N60R2DT4G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

NGTB03N60R2DT4G Tech Specifications  
NGTB03N60R2DT4G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63
Voltage - Collector Emitter Breakdown (Max)	600 V	Package	Tape & Reel (TR)
Vce(on) (Max) @ Vge, Ic	2.1V @ 15V, 3A	Operating Temperature	175°C (TJ)
Test Condition	300V, 3A, 30Ohm, 15V	Mounting Type	Surface Mount
Td (on/off) @ 25°C	27ns/59ns	Input Type	Standard
Switching Energy	50µJ (on), 27µJ (off)	IGBT Type	-
Supplier Device Package	DPAK	Gate Charge	17 nC
Series	-	Current - Collector Pulsed (Icm)	12 A
Reverse Recovery Time (trr)	65 ns	Current - Collector (Ic) (Max)	9 A
Power - Max	49 W	Base Product Number	NGTB03

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NGTB03N60R2DT4G

Product Attribute				
Part Number	NGTB03N60R2DT4G	NGTB15N120IHRWG	NGTB15N60R2FG	NGTB15N120IHLWG
Manufacturer	onsemi	onsemi	onsemi	onsemi
Voltage - Collector Emitter Breakdown (Max)	600 V	1200 V	600 V	1200 V
Input Type	Standard	Standard	Standard	Standard
Td (on/off) @ 25°C	27ns/59ns	-/170ns	70ns/190ns	-/165ns
Vce(on) (Max) @ Vge, Ic	2.1V @ 15V, 3A	2.5V @ 15V, 15A	2.1V @ 15V, 15A	2.2V @ 15V, 15A
Reverse Recovery Time (trr)	65 ns	-	95 ns	-
Switching Energy	50µJ (on), 27µJ (off)	340µJ (off)	550µJ (on), 220µJ (off)	560µJ (off)
Series	-	-	-	-
Power - Max	49 W	333 W	54 W	156 W
Base Product Number	NGTB03	NGTB15	NGTB15	NGTB15
Current - Collector Pulsed (Icm)	12 A	60 A	60 A	120 A
Package	Tape & Reel (TR)	Tube	Tube	Tube
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-247-3	TO-220-3 Full Pack	TO-247-3
Operating Temperature	175°C (TJ)	-40°C ~ 175°C (TJ)	175°C (TJ)	-55°C ~ 150°C (TJ)
Gate Charge	17 nC	160 nC	80 nC	160 nC
Current - Collector (Ic) (Max)	9 A	30 A	24 A	30 A
Mounting Type	Surface Mount	Through Hole	Through Hole	Through Hole
Supplier Device Package	DPAK	TO-247-3	TO-220F-3FS	TO-247-3
Test Condition	300V, 3A, 30Ohm, 15V	600V, 15A, 100Ohm, 15V	300V, 15A, 300Ohm, 15V	600V, 15A, 150Ohm, 15V
IGBT Type	-	Trench Field Stop	-	-

### NGTB03N60R2DT4G Datasheet PDF

Download NGTB03N60R2DT4G pdf datasheets and onsemi documentation for NGTB03N60R2DT4G - onsemi.

#### Environmental Information




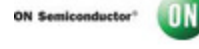
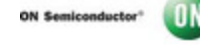
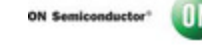

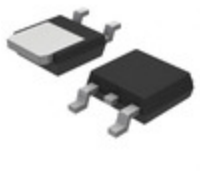





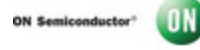
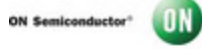
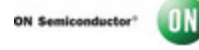
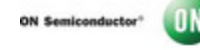

onsemi RoHS.pdf

#### PCN Obsolescence/ EOL

Mult Dev EOL 7/Apr/2021.pdf

## Customers Also Interested in

### Recommended Products

 <b>NGTB15N60C3</b> AMI Semiconductor/onsemi	 <b>NGTB15N120IHRWG</b> onsemi IGBT TRENCH/FS 1200V 30A TO247	 <b>NGTB15N60R2FG</b> onsemi IGBT 600V 24A TO220F-3FS	 <b>NGTB15N120H</b> AMI Semiconductor/onsemi	 <b>NGTB15N120IHLWG</b> onsemi IGBT 1200V 30A 156W TO247-3	 <b>NGTB15N60</b> AMI Semiconductor/onsemi
 <b>NGTB15N120FL2WG</b> onsemi IGBT 1200V 15A SOLAR/UPS TO247	 <b>NGTB05N60R2DT4G</b> onsemi IGBT 5A 600V DPAK	 <b>NGTB20N120IHR</b> AMI Semiconductor/onsemi	 <b>NGTB15N120FLWG</b> onsemi IGBT 1200V 15A TO247-3	 <b>NGTB15N120IH</b> AMI Semiconductor/onsemi	 <b>NGTB15N120IHL</b> AMI Semiconductor/onsemi
 <b>NGTB10N60R2DT4G</b> onsemi IGBT 600V 20A DPAK	 <b>NGTB15N120LWG</b> onsemi IGBT 1200V 30A 156W TO247-3	 <b>NGTB20N120IHLWG</b> onsemi IGBT 1200V 40A 192W TO247-3	 <b>NGTB15N135IHRWG</b> onsemi IGBT TRENCH/FS 1350V 30A TO247	 <b>NGTB20N120IH</b> AMI Semiconductor/onsemi	 <b>NGTB15N60S1EG</b> onsemi IGBT 600V 30A 117W TO220-3

## 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 -

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-  Cost-Saving Procurement
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Contact us if you have any questions.

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### Certifications & Memberships



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