



Image may be representation.  
See specifications for product details.



## STGB10NC60KDT4

Manufacturer Part Number	<b>STGB10NC60KDT4</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-STGB10NC60KDT4
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IGBT 600V 20A 65W D2PAK
Package	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
Data sheet	<a href="#">STGx10NC60KD.pdf</a> <a href="#">STGx10NC60KD.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

STGB10NC60KDT4 - STMicroelectronics.New Original in Stock. Download Linear Technology STGB10NC60KDT4 datasheet/specifications on AllelcoElec.com.  
Request a quote for STGB10NC60KDT4, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

STGB10NC60KDT4 Tech Specifications

STGB10NC60KDT4 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package / Case	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
Voltage - Collector Emitter Breakdown (Max)	600 V	Package	Tape & Reel (TR)
Vce(on) (Max) @ Vge, Ic	2.5V @ 15V, 5A	Operating Temperature	-55°C ~ 150°C (TJ)
Test Condition	390V, 5A, 100hm, 15V	Mounting Type	Surface Mount
Td (on/off) @ 25°C	17ns/72ns	Input Type	Standard
Switching Energy	55µJ (on), 85µJ (off)	IGBT Type	-
Supplier Device Package	D2PAK	Gate Charge	19 nC
Series	PowerMESH™	Current - Collector Pulsed (Icm)	30 A
Reverse Recovery Time (trr)	22 ns	Current - Collector (Ic) (Max)	20 A
Power - Max	65 W	Base Product Number	STGB10

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STGB10NC60KDT4

Product Attribute				
Part Number	STGB10NC60KDT4	STGB12NB60KDT4	STGB10NC60KDT4	STGB14NC60KDT4
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Voltage - Collector Emitter Breakdown (Max)	600 V	600 V	600 V	600 V
Reverse Recovery Time (trr)	22 ns	80 ns	-	37 ns
Power - Max	65 W	125 W	65 W	80 W
Base Product Number	STGB10	STGB12	STGB10	STGB14
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Current - Collector (Ic) (Max)	20 A	30 A	20 A	25 A
Input Type	Standard	Standard	Standard	Standard
Vce(on) (Max) @ Vge, Ic	2.5V @ 15V, 5A	2.8V @ 15V, 12A	2.5V @ 15V, 5A	2.5V @ 15V, 7A
Current - Collector Pulsed (Icm)	30 A	60 A	30 A	50 A
Package / Case	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-55°C ~ 150°C (TJ)	150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Gate Charge	19 nC	54 nC	19 nC	34.4 nC
Td (on/off) @ 25°C	17ns/72ns	25ns/96ns	17ns/72ns	22.5ns/116ns
Supplier Device Package	D2PAK	D2PAK	D2PAK	D2PAK
Test Condition	390V, 5A, 100hm, 15V	480V, 12A, 100hm, 15V	390V, 5A, 100hm, 15V	390V, 7A, 100hm, 15V
Switching Energy	55µJ (on), 85µJ (off)	258µJ (off)	55µJ (on), 85µJ (off)	82µJ (on), 155µJ (off)
IGBT Type	-	-	-	-
Series	PowerMESH™	PowerMESH™	PowerMESH™	PowerMESH™

### STGB10NC60KDT4 Datasheet PDF

Download STGB10NC60KDT4 pdf datasheets and STMicroelectronics documentation for STGB10NC60KDT4 - STMicroelectronics.

#### Datasheets

[STGx10NC60KD.pdf](#)

#### PCN Packaging

[Box Label Chg 28/Jul/2016.pdf](#)

#### PCN Design/Specification

D2PAK Lead Modification 04/Oct/2013.pdf

### PCN Assembly/Origin

D2PAK 22/Jun/2016.pdf

### HTML Datasheet

STGx10NC60KD.pdf

## Customers Also Interested in

### Recommended Products



**STGB19NC60HD**  
STMicroelectronics



**STGB12NB60KDT4**  
STMicroelectronics  
IGBT 600V 30A 125W D2PAK



**STGB10NC60KT4**  
STMicroelectronics  
IGBT 600V 20A 65W D2PAK



**STGB18N40LZ**  
STMicroelectronics



**STGB14NC60KDT4**  
STMicroelectronics  
IGBT 600V 25A 80W D2PAK



**STGB19NC60HDT4**  
STMicroelectronics  
IGBT 600V 40A 130W D2PAK



**STGB10NB37LZT4**  
STMicroelectronics  
IGBT 440V 20A 125W D2PAK



**STGB10N60L**  
STMicroelectronics



**STGB18N40LZT4**  
STMicroelectronics  
IGBT 420V 30A 150W D2PAK



**STGB15M65DF2**  
STMicroelectronics  
TRENCH GATE FIELD-STOP IGBT M  
SE



**STGB10NB40LZT4**  
STMicroelectronics  
IGBT 440V 20A 150W D2PAK



**STGB10NC60HD**  
STMicroelectronics



**STGB10NC60HDT4**  
STMicroelectronics  
IGBT 600V 20A 65W D2PAK



**STGB14NC60KT4**  
STMicroelectronics  
IGBT 600V 25A 80W D2PAK



**STGB10NC60KD**  
STMicroelectronics



**STGB10NB60ST4**  
STMicroelectronics  
IGBT 600V 29A 80W D2PAK



**STGB10NB037LZ**  
STMicroelectronics



**STGB10NB37LZ**  
STMicroelectronics  
IGBT 440V 20A 125W D2PAK

## 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

