



Image may be representation.
See specifications for product details.



STGD10HF60KD

Manufacturer Part Number	STGD10HF60KD
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STGD10HF60KD
ECAD Model	Request Free CAD Models
Parts Description	IGBT 600V 10A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	STGD10HF60KD.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STGD10HF60KD - STMicroelectronics.New Original in Stock. Download Linear Technology STGD10HF60KD datasheet/specifications on AllelcoElec.com.
Request a quote for STGD10HF60KD, please send us email: info@allelco.com

Specifications

STGD10HF60KD Tech Specifications

STGD10HF60KD - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	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	2.75V @ 15V, 5A	Operating Temperature	-55°C ~ 150°C (TJ)
Test Condition	400V, 5A, 100hm, 15V	Mounting Type	Surface Mount
Td (on/off) @ 25°C	9.5ns/87ns	Input Type	Standard
Switching Energy	45µJ (on), 105µJ (off)	IGBT Type	-
Supplier Device Package	DPAK	Gate Charge	23 nC
Series	Automotive, AEC-Q101	Current - Collector Pulsed (Icm)	30 A
Reverse Recovery Time (trr)	50 ns	Current - Collector (Ic) (Max)	18 A
Power - Max	62.5 W	Base Product Number	STGD10

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STGD10HF60KD

Product Attribute				
Part Number	STGD10HF60KD	STGD10NC60KDT4	STGB7NC60HDT4	STGD14NC60KT4
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
IGBT Type	-	-	-	-
Power - Max	62.5 W	62 W	80 W	80 W
Reverse Recovery Time (trr)	50 ns	22 ns	37 ns	-
Test Condition	400V, 5A, 100hm, 15V	390V, 5A, 100hm, 15V	390V, 7A, 100hm, 15V	390V, 7A, 100hm, 15V
Switching Energy	45µJ (on), 105µJ (off)	55µJ (on), 85µJ (off)	95µJ (on), 115µJ (off)	82µJ (on), 155µJ (off)
Base Product Number	STGD10	STGD10	STGB7	STGD14
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-252-3, DPak (2 Leads + Tab), SC-63
Vce(on) (Max) @ Vge, Ic	2.75V @ 15V, 5A	2.5V @ 15V, 5A	2.5V @ 15V, 7A	2.5V @ 15V, 7A
Supplier Device Package	DPAK	DPAK	D2PAK	DPAK
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Input Type	Standard	Standard	Standard	Standard
Series	Automotive, AEC-Q101	PowerMESH™	PowerMESH™	PowerMESH™
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Collector Pulsed (Icm)	30 A	30 A	50 A	-
Gate Charge	23 nC	19 nC	35 nC	34.4 nC
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Current - Collector (Ic) (Max)	18 A	20 A	25 A	25 A
Td (on/off) @ 25°C	9.5ns/87ns	17ns/72ns	18.5ns/72ns	22.5ns/116ns
Voltage - Collector Emitter Breakdown (Max)	600 V	600 V	600 V	600 V

STGD10HF60KD Datasheet PDF

Download STGD10HF60KD pdf datasheets and STMicroelectronics documentation for STGD10HF60KD - STMicroelectronics.

Datasheets

[STGD10HF60KD.pdf](#)

PCN Packaging



















[Mult Dev Inner Box Chg 9/Dec/2021.pdf](#)

PCN Assembly/Origin

[PCN Assembly/Origin.pdf](#)

Customers Also Interested in

Recommended Products

 STGD10NC60KDT4 STMicroelectronics IGBT 600V 20A 62W DPAK	 STGB7NC60HDT4 STMicroelectronics IGBT 600V 25A 80W D2PAK	 STGB7NC60HD STMicroelectronics	 STGB7NC60HDT4 MOS STMicroelectronics	 STGD14NC60KT4 STMicroelectronics IGBT 600V 25A 80W DPAK	 STGB7NB60HD STMicroelectronics
 STGD10NC60HT4 STMicroelectronics IGBT 600V 20A 60W DPAK	 STGD20N45LZAG STMicroelectronics POWER TRANSISTORS	 STGB8NC60KT4 STMicroelectronics IGBT 600V 15A 65W D2PAK	 STGD10NC60K STMicroelectronics	 STGBL6NC60DIT4 STMicroelectronics IGBT 600V 14A 56W D2PAK	 STGB7NB60HD MOS STMicroelectronics
 STGD18N40LZT4 STMicroelectronics IGBT 420V 25A 125W DPAK	 STGB7H60DF STMicroelectronics IGBT 600V 14A 88W D2PAK	 STGD20N40LZ STMicroelectronics IGBT 390V 25A 125W DPAK	 STGBL6NC60DT4 STMicroelectronics IGBT 600V 14A 56W D2PAK	 STGB7NB60HDT4 STMicroelectronics IGBT 600V 14A 80W D2PAK	 STGD10NC60HDT4 STMicroelectronics IGBT 600V 20A 62W 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
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Contact us if you have any questions.

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Certifications & Memberships



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Contact us

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