



Image may be representation.
See specifications for product details.



STGD18N40LZT4

Manufacturer Part Number	STGD18N40LZT4
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STGD18N40LZT4
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IGBT 420V 25A 125W DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	STGx18N40LZ.pdf
RoHs Status	ROHS3 Compliant

[Get a Quote](#)

STGD18N40LZT4 - STMicroelectronics.New Original in Stock. Download Linear Technology STGD18N40LZT4 datasheet/specifications on AllelcoElec.com.
Request a quote for STGD18N40LZT4, please send us email: info@allelco.com

Specifications

STGD18N40LZT4 Tech Specifications
STGD18N40LZT4 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tape & Reel (TR)
Voltage - Collector Emitter Breakdown (Max)	420 V	Operating Temperature	-55°C ~ 175°C (TJ)
Vce(on) (Max) @ Vge, Ic	1.7V @ 4.5V, 10A	Mounting Type	Surface Mount
Test Condition	300V, 10A, 5V	Input Type	Logic
Td (on/off) @ 25°C	650ns/13.5µs	IGBT Type	-
Switching Energy	-	Gate Charge	29 nC
Supplier Device Package	DPAK	Current - Collector Pulsed (Icm)	40 A
Series	Automotive, AEC-Q101, PowerMESH™	Current - Collector (Ic) (Max)	25 A
Power - Max	125 W	Base Product Number	STGD18
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics STGD18N40LZT4

Product Attribute				
Part Number	STGD18N40LZT4	STGD3HF60HDT4	STGD20N40LZ	STGD10HF60KD
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Input Type	Logic	Standard	Logic	Standard
IGBT Type	-	-	-	-
Base Product Number	STGD18	STGD3	STGD20	STGD10
Current - Collector (Ic) (Max)	25 A	7.5 A	25 A	18 A
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Td (on/off) @ 25°C	650ns/13.5µs	11ns/60ns	700ns/4.3µs	9.5ns/87ns
Operating Temperature	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 150°C (TJ)
Voltage - Collector Emitter Breakdown (Max)	420 V	600 V	390 V	600 V
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63
Vce(on) (Max) @ Vge, Ic	1.7V @ 4.5V, 10A	2.95V @ 15V, 1.5A	1.6V @ 4V, 6A	2.75V @ 15V, 5A
Switching Energy	-	19µJ (on), 12µJ (off)	-	45µJ (on), 105µJ (off)
Gate Charge	29 nC	12 nC	24 nC	23 nC
Test Condition	300V, 10A, 5V	400V, 1.5A, 1000hm, 15V	300V, 10A, 1kOhm, 5V	400V, 5A, 100hm, 15V
Supplier Device Package	DPAK	DPAK	DPAK	DPAK
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Power - Max	125 W	38 W	125 W	62.5 W
Series	Automotive, AEC-Q101, PowerMESH™	-	Automotive, AEC-Q101, PowerMESH™	Automotive, AEC-Q101
Current - Collector Pulsed (Icm)	40 A	18 A	40 A	30 A

STGD18N40LZT4 Datasheet PDF

Download STGD18N40LZT4 pdf datasheets and STMicroelectronics documentation for STGD18N40LZT4 - STMicroelectronics.

Datasheets

[STGx18N40LZ.pdf](#)

PCN Packaging

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

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

PCN Assembly/Origin

[STGDx 17/Nov/2022.pdf](#)

Customers Also Interested in

Recommended Products



STGD3HF60HDT4
STMicroelectronics
IGBT 600V 7.5A 38W DPAK



STGD20N40LZ
STMicroelectronics
IGBT 390V 25A 125W DPAK



STGD10HF60KD
STMicroelectronics
IGBT 600V 10A DPAK



STGD10NC60KD
STMicroelectronics



STGD10NC60HT4
STMicroelectronics
IGBT 600V 20A 60W DPAK



STGD3HF60HD
STMicroelectronics



STGD10NC60KDT4
STMicroelectronics
IGBT 600V 20A 62W DPAK



STGD10NC60HDT4
STMicroelectronics
IGBT 600V 20A 62W D2PAK



STGBL6NC60DIT4
STMicroelectronics
IGBT 600V 14A 56W D2PAK



STGD10NC60K
STMicroelectronics



STGD14NC60KT4
STMicroelectronics
IGBT 600V 25A 80W DPAK



STGD5H60DF
STMicroelectronics
TRENCH GATE FIELD-STOP IGBT, H
S



STGD3NB60SDT4
STMicroelectronics
IGBT 600V 6A 48W DPAK



STGD4M65DF2
STMicroelectronics
TRENCH GATE FIELD-STOP IGBT, M
S



STGD20N45LZAG
STMicroelectronics
POWER TRANSISTORS



STGD18N40LZ
STMicroelectronics



STGBL6NC60DT4
STMicroelectronics
IGBT 600V 14A 56W D2PAK



STGD25N40LZAG
STMicroelectronics
POWER TRANSISTORS

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

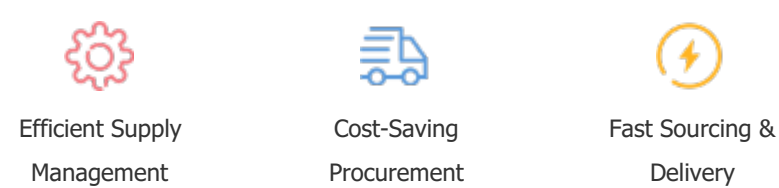
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

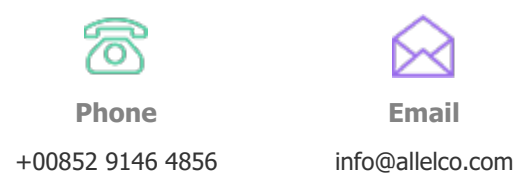
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



View More