



STGD25N40LZAG

Manufacturer Part Number	STGD25N40LZAG
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STGD25N40LZAG
ECAD Model	Request Free CAD Models
Parts Description	POWER TRANSISTORS
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	STGx25N40LZAG.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

STGD25N40LZAG - STMicroelectronics.New Original in Stock. Download Linear Technology STGD25N40LZAG datasheet/specifications on AllelcoElec.com.
Request a quote for STGD25N40LZAG, please send us email: info@allelco.com

Specifications

STGD25N40LZAG Tech Specifications
STGD25N40LZAG - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Package	Tape & Reel (TR)
Voltage - Collector Emitter Breakdown (Max)	435 V	Operating Temperature	-55°C ~ 175°C (TJ)
Vce(on) (Max) @ Vge, Ic	1.25V @ 4V, 6A	Mounting Type	Surface Mount
Test Condition	300V, 10A, 1kOhm, 5V	Input Type	Logic
Td (on/off) @ 25°C	1.1µs/4.6µs	IGBT Type	-
Switching Energy	-	Gate Charge	26 nC
Supplier Device Package	D-PAK (TO-252)	Current - Collector Pulsed (Icm)	50 A
Series	Automotive, AEC-Q101	Current - Collector (Ic) (Max)	25 A
Power - Max	125 W	Base Product Number	STGD25
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 STGD25N40LZAG

Product Attribute	NO PICTURE			
Part Number	STGD25N40LZAG	STGD3NB60SDT4	STGD20N45LZAG	STGD18N40LZT4
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Voltage - Collector Emitter Breakdown (Max)	435 V	600 V	450 V	420 V
IGBT Type	-	-	-	-
Series	Automotive, AEC-Q101	PowerMESH™	Automotive, AEC-Q101	Automotive, AEC-Q101, PowerMESH™
Td (on/off) @ 25°C	1.1µs/4.6µs	125µs/-	1.1µs/4.6µs	650ns/13.5µs
Base Product Number	STGD25	STGD3	STGD20	STGD18
Supplier Device Package	D-PAK (TO-252)	DPAK	D-PAK (TO-252)	DPAK
Operating Temperature	-55°C ~ 175°C (TJ)	175°C (TJ)	-55°C ~ 175°C (TJ)	-55°C ~ 175°C (TJ)
Gate Charge	26 nC	18 nC	26 nC	29 nC
Current - Collector (Ic) (Max)	25 A	6 A	25 A	25 A
Input Type	Logic	Standard	Logic	Logic
Switching Energy	-	1.15mJ (off)	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Power - Max	125 W	48 W	125 W	125 W
Current - Collector Pulsed (Icm)	50 A	25 A	50 A	40 A
Test Condition	300V, 10A, 1kOhm, 5V	480V, 3A, 1kOhm, 15V	300V, 10A, 1kOhm, 5V	300V, 10A, 5V
Vce(on) (Max) @ Vge, Ic	1.25V @ 4V, 6A	1.5V @ 15V, 3A	1.25V @ 4V, 6A	1.7V @ 4.5V, 10A
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
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)

STGD25N40LZAG Datasheet PDF

Download STGD25N40LZAG pdf datasheets and STMicroelectronics documentation for STGD25N40LZAG - STMicroelectronics.

Datasheets

[STGx25N40LZAG.pdf](#)

PCN Packaging


















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

PCN Assembly/Origin

[Mult Devices Testing 10/May/2018.pdf](#)

Customers Also Interested in

Recommended Products

					
STGD3NB60SDT4 STMicroelectronics IGBT 600V 6A 48W DPAK	STGD20N45LZAG STMicroelectronics POWER TRANSISTORS	STGD18N40LZT4 STMicroelectronics IGBT 420V 25A 125W DPAK	STGD10NC60K STMicroelectronics IGBT 600V 20A 62W D2PAK	STGD10NC60HDT4 STMicroelectronics IGBT 600V 20A 62W D2PAK	STGD10NC60HT4 STMicroelectronics IGBT 600V 20A 60W DPAK
					
STGD5NB120SZ-1 STMicroelectronics IGBT 1200V 10A 75W IPAK	STGD3NB60H STMicroelectronics TRENCH GATE FIELD-STOP IGBT, M S	STGD5H60DF STMicroelectronics TRENCH GATE FIELD-STOP IGBT, H S	STGD14NC60KT4 STMicroelectronics IGBT 600V 25A 80W DPAK	STGD3HF60HD STMicroelectronics TRENCH GATE FIELD-STOP IGBT, M S	STGD10NC60KDT4 STMicroelectronics IGBT 600V 20A 62W DPAK
					
STGD20N40LZ STMicroelectronics IGBT 390V 25A 125W DPAK	STGD4M65DF2 STMicroelectronics TRENCH GATE FIELD-STOP IGBT, M S	STGD18N40LZ STMicroelectronics IGBT 420V 25A 125W DPAK	STGD3HF60HDT4 STMicroelectronics IGBT 600V 7.5A 38W DPAK	STGD10NC60KD STMicroelectronics IGBT 600V 20A 62W DPAK	STGD6M65DF2 STMicroelectronics TRENCH GATE FIELD-STOP IGBT, M S

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.

	
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Certifications & Memberships



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