



Image may be representation.
See specifications for product details.



VN5E025AJTR-E

Manufacturer Part Number	VN5E025AJTR-E
Manufacturer	STMicroelectronics
Allelco Part Number	32D-VN5E025AJTR-E
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC PWR SWITCH N-CHAN 1:1 PWRSSO12
Package	PowerSSO-12
Data sheet	VN5E025AJ-E.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

VN5E025AJTR-E - STMicroelectronics.New Original in Stock. Download Linear Technology VN5E025AJTR-E datasheet/specifications on AllelcoElec.com. Request a quote for VN5E025AJTR-E, please send us email: info@allelco.com

Specifications

VN5E025AJTR-E Tech Specifications

VN5E025AJTR-E - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Output Configuration	High Side
Voltage - Supply (Vcc/Vdd)	Not Required	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Load	4.5V ~ 28V	Number of Outputs	1
Switch Type	General Purpose	Mounting Type	Surface Mount
Supplier Device Package	PowerSSO-12™	Interface	On/Off
Series	VIPower™	Input Type	Non-Inverting
Rds On (Typ)	25mOhm (Max)	Features	Auto Restart
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Package / Case	PowerSSO-12	Current - Output (Max)	43A
Package	Tape & Reel (TR)	Base Product Number	VN5E025
Output Type	N-Channel		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VN5E025AJTR-E

Product Attribute				
Part Number	VN5E025AJTR-E	VN5E016MHTR-E	VN5E016MH-E	VN5E025ASOTR-E
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package / Case	PowerSSO-12	TO-252-7, DPak (6 Leads + Tab)	TO-252-7, DPak (6 Leads + Tab)	16-SOIC (0.295", 7.50mm Width)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Rds On (Typ)	25mOhm (Max)	16mOhm (Max)	16mOhm (Max)	25mOhm
Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage	Current Limiting (Fixed), Over Temperature, Over Voltage	Current Limiting (Fixed), Over Temperature, Over Voltage	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Output Configuration	High Side	High Side	High Side	High Side
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Supplier Device Package	PowerSSO-12™	6-HPAK	6-HPAK	16-SO
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Current - Output (Max)	43A	54A	54A	43A
Voltage - Load	4.5V ~ 28V	4.5V ~ 28V	4.5V ~ 28V	4.5V ~ 28V
Interface	On/Off	On/Off	On/Off	On/Off
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Base Product Number	VN5E025	VN5E016	VN5E016	VN5E025
Series	VIPower™	VIPower™	VIPower™	VIPower™
Ratio - Input:Output	1:1	1:1	1:1	1:1
Voltage - Supply (Vcc/Vdd)	Not Required	Not Required	Not Required	Not Required
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Outputs	1	1	1	1
Features	Auto Restart	Auto Restart	Auto Restart	Auto Restart
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose

VN5E025AJTR-E Datasheet PDF

Download VN5E025AJTR-E pdf datasheets and STMicroelectronics documentation for VN5E025AJTR-E - STMicroelectronics.

PCN Packaging

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


[Material Barrier Bag 17/Dec/2020.pdf](#)

PCN Assembly/Origin

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

PCN Design/Specification

 Pkg Cavity ID Add 9/Mar/2017.pdf











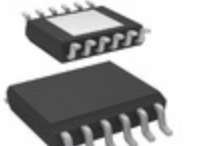
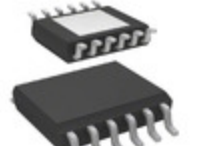




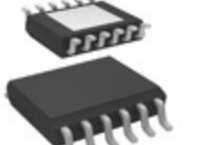

 Mult Dev Wire Conversion 17/Mar/2021.pdf

HTML Datasheet

 VN5E025AJ-E.pdf

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VN5E016LKHTR STMicroelectronics	VN5E050AJ STMicroelectronics	VN5E016LFHTR-E STMicroelectronics	VN5E016MHTR-E STMicroelectronics IC PWR SWITCH N-CHAN 1:1 6HPAK	VN5E025M NA	VN5E025A STMicroelectronics
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VN5E016MH-E STMicroelectronics IC PWR SWITCH N-CHAN 1:1 6HPAK	VN5E025AJTR STMicroelectronics	VN5E025ASOTR-E STMicroelectronics IC PWR DRIVER N-CHANNEL 1:1 16SO	VN5E050J STMicroelectronics	VN5E025MJTR-E STMicroelectronics IC PWR SWITCH N-CHAN 1:1 PWRSSO12	VN5E050JTR-E STMicroelectronics IC PWR SWITCH N-CHAN 1:1 PWRSSO12
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VN5E016KH NA	VN5E016LKHTR-E STMicroelectronics	VN5E016LFATR-E STMicroelectronics	VN5E050ASOTR-E STMicroelectronics IC PWR DRIVER N-CHANNEL 1:1 16SO	VN5E050AJTR-E STMicroelectronics IC PWR SWITCH N-CHAN 1:1 PWRSSO12	VN5E016MH STMicroelectronics

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.




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