



Image may be representation.  
See specifications for product details.



## VN5025AJ-E

Manufacturer Part Number	<b>VN5025AJ-E</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-VN5025AJ-E
ECAD Model	Request Free CAD Models
Parts Description	IC PWR DRVR N-CHAN 1:1 PWRSSO12
Package	PowerSSO-12
Data sheet	<b>VN5025AJ-E.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

VN5025AJ-E - STMicroelectronics.New Original in Stock. Download Linear Technology VN5025AJ-E datasheet/specifications on AllelcoElec.com.  
Request a quote for VN5025AJ-E, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

VN5025AJ-E Tech Specifications

VN5025AJ-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 ~ 36V	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), Over Temperature, Over Voltage
Package / Case	PowerSSO-12	Current - Output (Max)	28A
Package	Tube	Base Product Number	VN5025
Output Type	N-Channel		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VN5025AJ-E

Product Attribute				
Part Number	VN5025AJ-E	VN5050AJTR-E	VN5012AK-E	VN5016AJ-E
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Base Product Number	VN5025	VN5050	VN5012	VN5016
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Output Configuration	High Side	High Side	High Side	High Side
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Fault Protection	Current Limiting (Fixed), Over Temperature, Over Voltage	Current Limiting (Fixed), Over Temperature, Over Voltage	Current Limiting (Fixed), Over Temperature, Over Voltage	Current Limiting (Fixed), Over Temperature, Over Voltage
Package / Case	PowerSSO-12	PowerSSO-12	24-PowerBSOP (0.295", 7.50mm Width)	PowerSSO-12
Features	Auto Restart	Auto Restart	Auto Restart	Auto Restart
Supplier Device Package	PowerSSO-12™	PowerSSO-12™	PowerSSO-24	PowerSSO-12™
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Interface	On/Off	On/Off	On/Off	On/Off
Voltage - Load	4.5V ~ 36V	4.5V ~ 36V	4.5V ~ 36V	4.5V ~ 36V
Voltage - Supply (Vcc/Vdd)	Not Required	Not Required	Not Required	Not Required
Rds On (Typ)	25mOhm (Max)	50mOhm (Max)	12mOhm (Max)	16mOhm (Max)
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Current - Output (Max)	28A	12A	45A	46A
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Outputs	1	1	1	1
Ratio - Input:Output	1:1	1:1	1:1	1:1
Series	VIPower™	VIPower™	VIPower™	VIPower™
Package	Tube	Tape & Reel (TR)	Tube	Tube

### VN5025AJ-E Datasheet PDF

Download VN5025AJ-E pdf datasheets and STMicroelectronics documentation for VN5025AJ-E - STMicroelectronics.

#### PCN Packaging


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

[APG/15/9380 07/Sep/2015.pdf](#)

#### PCN Assembly/Origin


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

## PCN Obsolescence/ EOL

 Mult Dev OBS 31/Aug/2021.pdf

## PCN Design/Specification

 Pkg Cavity ID Add 9/Mar/2017.pdf

 Mult Dev Wire Conversion 17/Mar/2021.pdf

## HTML Datasheet

 VN5025AJ-E.pdf

## Customers Also Interested in

### Recommended Products

					
<b>VN5050AJTR-E</b> STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO12	<b>VN5012AK-E</b> STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO24	<b>VN5016AJ-E</b> STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO12	<b>VN5050AJ</b> STMicroelectronics	<b>VN5012AK</b> STMicroelectronics	<b>VN5016AJTR-E</b> STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO12
					
<b>VN5016A</b> STMicroelectronics	<b>VN5050J</b> STMicroelectronics	<b>VN5025AJTR-E</b> STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO12	<b>VN50300T-T1-GE3</b> Electro-Films (EFI) / Vishay	<b>VN50300T-T1-T3</b> Electro-Films (EFI) / Vishay	<b>VN5050AJTR</b> STMicroelectronics
					
<b>VN5012AKTR-E</b> STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO24	<b>VN5025AJ</b> STMicroelectronics	<b>VN5050J-E</b> STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO12	<b>VN5016A-E</b> STMicroelectronics	<b>VN50300L</b> Electro-Films (EFI) / Vishay	<b>VN5050AJ-E</b> STMicroelectronics IC PWR DRVR N-CHAN 1:1 PWRSSO12

## 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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