



Image may be representation.  
See specifications for product details.



## VND5025AK-E

|                          |                                     |
|--------------------------|-------------------------------------|
| Manufacturer Part Number | <b>VND5025AK-E</b>                  |
| Manufacturer             | <b>STMicroelectronics</b>           |
| Allelco Part Number      | 32D-VND5025AK-E                     |
| ECAD Model               | Request Free CAD Models             |
| Parts Description        | IC PWR DRVR N-CHAN 1:1 PWRSSO24     |
| Package                  | 24-PowerBSOP (0.295", 7.50mm Width) |
| Data sheet               | <b>VND5025AK-E.pdf</b>              |
| RoHs Status              | <b>ROHS3 Compliant</b>              |

[Get a Quote](#)

VND5025AK-E - STMicroelectronics.New Original in Stock. Download Linear Technology VND5025AK-E datasheet/specifications on AllelcoElec.com.  
Request a quote for VND5025AK-E, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

VND5025AK-E Tech Specifications

VND5025AK-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      | 2  |
| Switch Type                | General Purpose                     | Mounting Type          | Surface Mount  |
| Supplier Device Package    | PowerSSO-24                         | 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             | 24-PowerBSOP (0.295", 7.50mm Width) | Current - Output (Max) | 29A  |
| Package                    | Tray                                | Base Product Number    | VND5025  |
| Output Type                | N-Channel                           |                        |  |

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VND5025AK-E

| Product Attribute          |  |  |  |   |
|----------------------------|--|--|--|---|
| Part Number                | VND5025AK-E  | VND5004BTR-E   | VND5025LAKTR-E   | VND5025BKTR-E   |
| Manufacturer               | STMicroelectronics                                       | STMicroelectronics                                       | STMicroelectronics                                       | STMicroelectronics  |
| Features                   | Auto Restart   | Auto Restart   | Auto Restart   | -   |
| Package / Case             | 24-PowerBSOP (0.295", 7.50mm Width)                      | 24-PowerDFN  | 24-PowerBSOP (0.295", 7.50mm Width)                      | 24-PowerBSOP (0.295", 7.50mm Width)   |
| Switch Type                | General Purpose  | General Purpose  | General Purpose  | General Purpose   |
| Supplier Device Package    | PowerSSO-24  | 24-PQFN (12x12)  | PowerSSO-24  | PowerSSO-24   |
| Rds On (Typ)               | 25mOhm (Max)   | 4mOhm (Max)  | 25mOhm (Max)   | 25mOhm (Max)  |
| Current - Output (Max)     | 29A  | 70A  | -  | 43A   |
| Voltage - Load             | 4.5V ~ 36V   | 4.5V ~ 28V   | 4.5V ~ 36V   | 4.5V ~ 36V  |
| 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        | VND5025  | VND5004  | VND5025  | -   |
| Ratio - Input:Output       | 1:1  | 1:1  | 1:1  | 1:1   |
| 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 (Adjustable), Over Temperature, Reverse Battery, Short Circuit, UVLO |
| Output Type                | N-Channel  | N-Channel  | N-Channel  | N-Channel   |
| Interface                  | On/Off   | On/Off   | On/Off   | Logic   |
| Input Type                 | Non-Inverting  | Non-Inverting  | Non-Inverting  | Non-Inverting   |
| Voltage - Supply (Vcc/Vdd) | Not Required   | Not Required   | Not Required   | 4.5V ~ 36V  |
| Mounting Type              | Surface Mount  | Surface Mount  | Surface Mount  | Surface Mount   |
| Number of Outputs          | 2  | 2  | 2  | 2   |
| Series                     | VIPower™   | VIPower™   | VIPower™   | Automotive, AEC-Q100  |
| Package                    | Tray   | Tape & Reel (TR)   | Tape & Reel (TR)   | Tape & Reel (TR)  |
| Output Configuration       | High Side  | High Side  | High Side  | High Side   |

### VND5025AK-E Datasheet PDF

Download VND5025AK-E pdf datasheets and STMicroelectronics documentation for VND5025AK-E - STMicroelectronics.


#### PCN Packaging

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

#### PCN Assembly/Origin

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

## PCN Obsolescence/ EOL

 Mult Dev OBS 31/Aug/2021.pdf

## HTML Datasheet

 VND5025AK-E.pdf

## Customers Also Interested in

### Recommended Products



**VND5004BTR-E**

STMicroelectronics  
IC PWR SWITCH N-CHAN 1:1  
24PQFN



**VND5004ES**

STMicroelectronics



**VND5025BK**

STMicroelectronics



**VND5025BKTR**

STMicroelectronics



**VND5025LAKTR-E**

STMicroelectronics  
IC PWR DRVVR N-CHAN 1:1  
PWRSSO24



**VND5025BKTR-E**

STMicroelectronics  
LINEAR IC'S



**VND5025AK**

STMicroelectronics



**VND5012AK-E**

STMicroelectronics  
IC PWR DRVVR N-CHAN 1:1  
PWRSSO24



**VND5025AKTR**

STMicroelectronics



**VND5025LAK-E**

STMicroelectronics  
IC PWR DRVVR N-CHAN 1:1  
PWRSSO24



**VND5004B**

STMicroelectronics



**VND5004ASP30TR-E**

STMicroelectronics  
IC PWR DRVVR N-CH 1:1  
MULTIPWRSO



**VND5025B1**

STMicroelectronics



**VND5025**

STMicroelectronics



**VND5012AK**

STMicroelectronics



**VND5012AKTR-E**

STMicroelectronics  
IC PWR DRVVR N-CHAN 1:1  
PWRSSO24



**VND5025AKTR-E**

STMicroelectronics  
IC PWR DRVVR N-CHAN 1:1  
PWRSSO24



**VND5025B2**

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.



### Your Faithful Supply Chain Partner -



Efficient Supply  
Management



Cost-Saving  
Procurement



Fast Sourcing &  
Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

### Certifications & Memberships



View More

