



Image may be representation.
See specifications for product details.



VN5010AK-E

Manufacturer Part Number	VN5010AK-E
Manufacturer	STMicroelectronics
Allelco Part Number	32D-VN5010AK-E
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC PWR DRVR N-CHAN 1:1 PWRSSO24
Package	24-PowerBSOP (0.295", 7.50mm Width)
Data sheet	VN5010AK-E.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

VN5010AK-E - STMicroelectronics. New Original in Stock. Download Linear Technology VN5010AK-E datasheet/specifications on AllelcoElec.com.
Request a quote for VN5010AK-E, please send us email: info@allelco.com

Specifications

VN5010AK-E Tech Specifications

VN5010AK-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-24	Interface	On/Off
Series	VIPower™	Input Type	Non-Inverting
Rds On (Typ)	10mOhm (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)	46A
Package	Tube	Base Product Number	VN5010
Output Type	N-Channel		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VN5010AK-E

Product Attribute				
Part Number	VN5010AK-E	VN5025AJ-E	VN5016AJ-E	VN5012AKTR-E
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Output Configuration	High Side	High Side	High Side	High Side
Ratio - Input:Output	1:1	1:1	1:1	1:1
Number of Outputs	1	1	1	1
Series	VIPower™	VIPower™	VIPower™	VIPower™
Package	Tube	Tube	Tube	Tape & Reel (TR)
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Supplier Device Package	PowerSSO-24	PowerSSO-12™	PowerSSO-12™	PowerSSO-24
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
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Rds On (Typ)	10mOhm (Max)	25mOhm (Max)	16mOhm (Max)	12mOhm (Max)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Output (Max)	46A	28A	46A	45A
Base Product Number	VN5010	VN5025	VN5016	VN5012
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
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Interface	On/Off	On/Off	On/Off	On/Off
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Package / Case	24-PowerBSOP (0.295", 7.50mm Width)	PowerSSO-12	PowerSSO-12	24-PowerBSOP (0.295", 7.50mm Width)
Features	Auto Restart	Auto Restart	Auto Restart	Auto Restart

VN5010AK-E Datasheet PDF

Download VN5010AK-E pdf datasheets and STMicroelectronics documentation for VN5010AK-E - STMicroelectronics.

PCN Assembly/Origin

Mult Dev Assembly Chg 18/Oct/2019.pdf



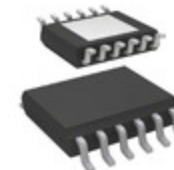






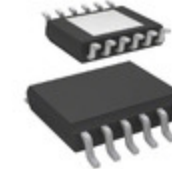





PCN Obsolescence/ EOL

Mult Dev OBS 16/Dec/2020.pdf

 VN5010AK-E.pdf

Customers Also Interested in

Recommended Products

					
VN50300L Electro-Films (EFI) / Vishay	VN5025AJ-E STMicroelectronics IC PWR DRV R N-CHAN 1:1 PWRSSO12	VN5050AJ STMicroelectronics	VN5016AJ-E STMicroelectronics IC PWR DRV R N-CHAN 1:1 PWRSSO12	VN5012AKTR-E STMicroelectronics IC PWR DRV R N-CHAN 1:1 PWRSSO24	VN5016A-E STMicroelectronics
					
VN5012AK-E STMicroelectronics IC PWR DRV R N-CHAN 1:1 PWRSSO24	VN50300T-T1-T3 Electro-Films (EFI) / Vishay	VN5010AKTR-E STMicroelectronics IC PWR DRV R N-CHAN 1:1 PWRSSO24	VN5012AK STMicroelectronics	VN5050AJ-E STMicroelectronics IC PWR DRV R N-CHAN 1:1 PWRSSO12	VN5025AJ STMicroelectronics
					
VN5025AJTR-E STMicroelectronics IC PWR DRV R N-CHAN 1:1 PWRSSO12	VN5016A STMicroelectronics	VN5010AK STMicroelectronics	VN5050AJTR STMicroelectronics	VN5016AJTR-E STMicroelectronics IC PWR DRV R N-CHAN 1:1 PWRSSO12	VN50300T-T1-GE3 Electro-Films (EFI) / Vishay

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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Contact us

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