



Image may be representation.
See specifications for product details.



VN5016AJ-E

Manufacturer Part Number	VN5016AJ-E
Manufacturer	STMicroelectronics
Allelco Part Number	32D-VN5016AJ-E
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC PWR DRVR N-CHAN 1:1 PWRSSO12
Package	PowerSSO-12
Data sheet	VN5016AJ-E.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

VN5016AJ-E - STMicroelectronics.New Original in Stock. Download Linear Technology VN5016AJ-E datasheet/specifications on AllelcoElec.com.
Request a quote for VN5016AJ-E, please send us email: info@allelco.com

Specifications

VN5016AJ-E Tech Specifications

VN5016AJ-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)	16mOhm (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)	46A
Package	Tube	Base Product Number	VN5016
Output Type	N-Channel		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VN5016AJ-E

Product Attribute				
Part Number	VN5016AJ-E	VN5050AJ-E	VN5025AJTR-E	VN5016AJTR-E
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package	Tube	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Base Product Number	VN5016	VN5050	VN5025	VN5016
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Interface	On/Off	On/Off	On/Off	On/Off
Series	VIPower™	VIPower™	VIPower™	VIPower™
Output Configuration	High Side	High Side	High Side	High Side
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Rds On (Typ)	16mOhm (Max)	50mOhm (Max)	25mOhm (Max)	16mOhm (Max)
Voltage - Supply (Vcc/Vdd)	Not Required	Not Required	Not Required	Not Required
Features	Auto Restart	Auto Restart	Auto Restart	Auto Restart
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Voltage - Load	4.5V ~ 36V	4.5V ~ 36V	4.5V ~ 36V	4.5V ~ 36V
Current - Output (Max)	46A	12A	28A	46A
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
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 (Fixed), Over Temperature, Over Voltage
Supplier Device Package	PowerSSO-12™	PowerSSO-12™	PowerSSO-12™	PowerSSO-12™
Package / Case	PowerSSO-12	PowerSSO-12	12-PowerLSOP (0.154", 3.90mm Width)	PowerSSO-12
Number of Outputs	1	1	1	1

VN5016AJ-E Datasheet PDF

Download VN5016AJ-E pdf datasheets and STMicroelectronics documentation for VN5016AJ-E - STMicroelectronics.

PCN Packaging

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


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

PCN Assembly/Origin

[2.73KHz.pdf](#)

PCN Design/Specification

 Pkg Cavity ID Add 9/Mar/2017.pdf

 Mult Dev Wire Conversion 17/Mar/2021.pdf

HTML Datasheet

 VN5016AJ-E.pdf

Customers Also Interested in

Recommended Products



VN5016A-E
STMicroelectronics



VN5050AJ-E
STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO12



VN5016A
STMicroelectronics



VN50300T-T1-GE3
Electro-Films (EFI) / Vishay



VN5010AK
STMicroelectronics



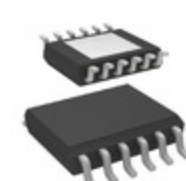
VN5050AJTR
STMicroelectronics



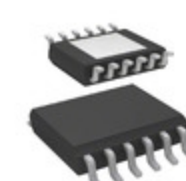
VN50300T-T1-T3
Electro-Films (EFI) / Vishay



VN5012AK
STMicroelectronics



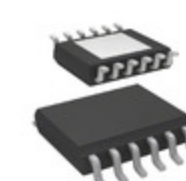
VN5025AJTR-E
STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO12



VN5016AJTR-E
STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO12



VN5025AJ
STMicroelectronics



VN5025AJ-E
STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO12



VN5012AKTR-E
STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO24



VN5050AJ
STMicroelectronics



VN5010AK-E
STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO24



VN5012AK-E
STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO24



VN5010AKTR-E
STMicroelectronics
IC PWR DRVR N-CHAN 1:1
PWRSSO24



VN50300L
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

Contact us if you have any questions.

 Phone
+00852 9146 4856
 Email
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Certifications & Memberships



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