




## VN5T016AH-E

Manufacturer Part Number	<b>VN5T016AH-E</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-VN5T016AH-E
ECAD Model	 PCB Footprint and Symbol
Parts Description	IC PWR DRIVER N-CHANNEL 1:1 HPAK
Package	TO-252-7, DPak (6 Leads + Tab)
Data sheet	<b>VN5T016AH-E.pdf</b>



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VN5T016AH-E - STMicroelectronics. New Original in Stock. Download Linear Technology VN5T016AH-E datasheet/specifications on AllelcoElec.com.  
Request a quote for VN5T016AH-E, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications





VN5T016AH-E Tech Specifications

VN5T016AH-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	8V ~ 36V	Number of Outputs	1
Switch Type	General Purpose	Mounting Type	Surface Mount
Supplier Device Package	HPAK	Interface	On/Off
Series	VIPower™	Input Type	Non-Inverting
Rds On (Typ)	16mOhm	Features	-
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Package / Case	TO-252-7, DPak (6 Leads + Tab)	Current - Output (Max)	60A
Package	Tube	Base Product Number	VN5T016
Output Type	N-Channel		

### Parts with Similar Specifications


The three parts on the right have similar specifications to STMicroelectronics VN5T016AH-E

Product Attribute	 NO PICTURE			
Part Number	VN5T016AH-E	<a href="#">VN5T016AHTR-E</a>	<a href="#">VNSR003HTR-E</a>	<a href="#">VN5T006ASPTR-E</a>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Package / Case	TO-252-7, DPak (6 Leads + Tab)	TO-252-7, DPak (6 Leads + Tab)	TO-252-7, DPak (6 Leads + Tab)	10-PowerSOIC (0.370", 9.40mm Width)
Voltage - Supply (Vcc/Vdd)	Not Required	Not Required	Not Required	Not Required
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Load	8V ~ 36V	8V ~ 36V	-16V ~ 28V	8V ~ 36V
Base Product Number	VN5T016	VN5T016	VNSR003	VN5T006
Rds On (Typ)	16mOhm	16mOhm	3mOhm	6mOhm
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Series	VIPower™	VIPower™	VIPower™	VIPower™
Output Configuration	High Side	High Side	High Side	High Side
Input Type	Non-Inverting	Non-Inverting	-	Non-Inverting
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Number of Outputs	1	1	1	1
Ratio - Input:Output	1:1	1:1	1:1	1:1
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Current - Output (Max)	60A	43A	-	-
Features	-	-	-	-
Supplier Device Package	HPAK	HPAK	HPAK	10-PowerSO
Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage	-	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Interface	On/Off	On/Off	On/Off	On/Off


### VN5T016AH-E Datasheet PDF

Download VN5T016AH-E pdf datasheets and STMicroelectronics documentation for VN5T016AH-E - STMicroelectronics.

#### Datasheets


[VN5T016AH-E.pdf](#)

#### PCN Obsolescence/ EOL


[Mult Dev OBS 31/Aug/2021.pdf](#)

## Customers Also Interested in

### Recommended Products



**VN5E160M**  
STMicroelectronics



**VN5T016AHTR-E**  
STMicroelectronics  
IC PWR DRIVER N-CHANNEL 1:1  
HPAK



**VN5E050M**  
STMicroelectronics



**VN5R003HTR-E**  
STMicroelectronics  
IC PWR SWITCH N-CHANNEL 1:1  
HPAK



**VN5T006ASPTR-E**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1  
PWR5010



**VN5R003H**  
STMicroelectronics



**VN5E160MJTR**  
STMicroelectronics



**VN5E160S-E**  
STMicroelectronics  
IC PWR SWITCH N-CHANNEL 1:1  
850



**VN5E160ASTR-E**  
STMicroelectronics  
IC PWR SWITCH N-CHANNEL 1:1  
850



**VN5E160STR-E**  
STMicroelectronics  
IC PWR SWITCH N-CHANNEL 1:1  
850



**VN5E160ASOTR-E**  
STMicroelectronics  
IC PWR DRIVER N-CHANNEL 1:1  
1650



**VN5T006A**  
STMicroelectronics



**VN5E160S**  
NA



**VN5E160MSTR-E**  
STMicroelectronics  
IC PWR SWITCH N-CHANNEL 1:1  
850



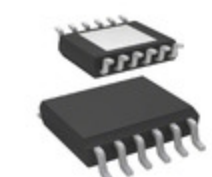
**VN5E050JTR-E**  
STMicroelectronics  
IC PWR SWITCH N-CHAN 1:1  
PWRSS012



**VN5E160A**  
NA



**VN5E160AS-E**  
STMicroelectronics  
IC PWR SWITCH N-CHANNEL 1:1  
850



**VN5E050MJTR-E**  
STMicroelectronics  
IC PWR SWITCH N-CHAN 1:1  
PWRSS012

## 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.



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### Certifications & Memberships



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