



Image may be representation.  
See specifications for product details.



## VN5E010MHTR-E

Manufacturer Part Number	<b>VN5E010MHTR-E</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-VN5E010MHTR-E
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC PWR SWITCH N-CHAN 1:1 6HPAK
Package	TO-252-7, DPak (6 Leads + Tab)
Data sheet	VN5E010MHTR-E.pdf
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

VN5E010MHTR-E - STMicroelectronics.New Original in Stock. Download Linear Technology VN5E010MHTR-E datasheet/specifications on AllelcoElec.com.  
Request a quote for VN5E010MHTR-E, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

VN5E010MHTR-E Tech Specifications

VN5E010MHTR-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 ~ 28V	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)	10mOhm	Features	Auto Restart
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), Over Temperature, Over Voltage
Package / Case	TO-252-7, DPak (6 Leads + Tab)	Current - Output (Max)	60A
Package	Tape & Reel (TR)	Base Product Number	VN5E010
Output Type	N-Channel		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VN5E010MHTR-E

Product Attribute				
Part Number	VN5E010MHTR-E	VN5E016AFHTR-E	VN5E016AH-E	VN5E010AH-E
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Switch Type	General Purpose	-	General Purpose	General Purpose
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Input Type	Non-Inverting	-	Non-Inverting	Non-Inverting
Output Configuration	High Side	-	High Side	High Side
Number of Outputs	1	-	1	1
Features	Auto Restart	-	Auto Restart	Auto Restart
Rds On (Typ)	10mOhm	16mOhm (Max)	16mOhm (Max)	10mOhm
Operating Temperature	-40°C ~ 150°C (TJ)	-	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Fault Protection	Current Limiting (Fixed), Over Temperature, Over Voltage	-	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Output Type	N-Channel	-	N-Channel	N-Channel
Voltage - Supply (Vcc/Vdd)	Not Required	-	Not Required	Not Required
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tube
Series	VIPower™	-	VIPower™	VIPower™
Package / Case	TO-252-7, DPak (6 Leads + Tab)	TO-252-7, DPak (6 Leads + Tab)	TO-252-7, DPak (6 Leads + Tab)	TO-252-7, DPak (6 Leads + Tab)
Current - Output (Max)	60A	-	54A	60A
Base Product Number	VN5E010	VN5E016	VN5E016	VN5E010
Interface	On/Off	-	On/Off	On/Off
Supplier Device Package	HPAK	HPAK	6-HPAK	HPAK
Voltage - Load	4.5V ~ 28V	4.5V ~ 28V	4.5V ~ 28V	4.5V ~ 28V
Ratio - Input:Output	1:1	-	1:1	1:1

### VN5E010MHTR-E Datasheet PDF

Download VN5E010MHTR-E pdf datasheets and STMicroelectronics documentation for VN5E010MHTR-E - STMicroelectronics.

#### PCN Packaging

[Box Label Chg 28/Jul/2016.pdf](#)

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

#### PCN Assembly/Origin



## Customers Also Interested in

### Recommended Products



**VN5E006ASPTR-E**  
STMicroelectronics



**VN5E010AH**  
STMicroelectronics



**VN5E010AFHTR-E**  
STMicroelectronics



**VN5E010NAHTR-E**  
STMicroelectronics



**VN5E016AFHTR-E**  
STMicroelectronics  
IC DVR SWITCH HI SIDE SGL HPAK-6



**VN5E010FH**  
NA



**VN5E016LFHTR-E**  
STMicroelectronics



**VN5E016AH-E**  
STMicroelectronics  
IC PWR SWITCH N-CHAN 1:1 6HPAK



**VN5E010AH-E**  
STMicroelectronics  
IC PWR SWITCH N-CHAN 1:1 6HPAK



**VN5E006ASPTR-E**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1  
PWSO10



**VN5E010MH**  
STMicroelectronics



**VN5E010MH-E**  
STMicroelectronics  
IC PWR SWITCH N-CHAN 1:1 6HPAK



**VN5E016LFATR-E**  
STMicroelectronics



**VN5E016AHTR-E**  
STMicroelectronics  
IC PWR SWITCH N-CHAN 1:1 6HPAK



**VN5E016KH**  
NA



**VN5E010MHTR**  
STMicroelectronics



**VN5E010NA**  
STMicroelectronics



**VN5E010AHTR-E**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 6HPAK

## 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



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