



Image may be representation.  
See specifications for product details.



## VNB20N07-E

Manufacturer Part Number	<a href="#">VNB20N07-E</a>
Manufacturer	<a href="#">STMicroelectronics</a>
Allelco Part Number	32D-VNB20N07-E
ECAD Model	<a href="#">Request Free CAD Models</a>
Parts Description	IC PWR DRIVER N-CHAN 1:1 D2PAK
Package	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
Data sheet	<a href="#">VNX20N07(7FI).pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

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VNB20N07-E - STMicroelectronics. New Original in Stock. Download Linear Technology VNB20N07-E datasheet/specifications on AllelcoElec.com.  
Request a quote for VNB20N07-E, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

VNB20N07-E Tech Specifications

VNB20N07-E - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Output Configuration	Low Side
Voltage - Supply (Vcc/Vdd)	Not Required	Operating Temperature	-
Voltage - Load	55V (Max)	Number of Outputs	1
Switch Type	General Purpose	Mounting Type	Surface Mount
Supplier Device Package	D2PAK	Interface	On/Off
Series	OMNIFET™, VIPower™	Input Type	Non-Inverting
Rds On (Typ)	50mOhm (Max)	Features	Status Flag
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), Over Temperature, Over Voltage
Package / Case	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	Current - Output (Max)	14A
Package	Tube	Base Product Number	VNB20
Output Type	N-Channel		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VNB20N07-E

Product Attribute				
Part Number	VNB20N07-E	<a href="#">VNB10N07-E</a>	<a href="#">VNB14NV04</a>	<a href="#">VNB35NV04</a>
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package	Tube	Tube	Tube	Tube
Ratio - Input:Output	1:1	1:1	1:1	1:1
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Load	55V (Max)	55V (Max)	36V (Max)	36V (Max)
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Rds On (Typ)	50mOhm (Max)	100mOhm (Max)	35mOhm (Max)	13mOhm (Max)
Series	OMNIFET™, VIPower™	OMNIFET™, VIPower™	OMNIFET™, VIPower™	OMNIFET II™, VIPower™
Package / Case	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB	TO-263-3, D <sup>2</sup> Pak (2 Leads + Tab), TO-263AB
Current - Output (Max)	14A	14A	12A	30A
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
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Output Configuration	Low Side	Low Side	Low Side	Low Side
Voltage - Supply (Vcc/Vdd)	Not Required	Not Required	Not Required	Not Required
Number of Outputs	1	1	1	1
Operating Temperature	-	-	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Base Product Number	VNB20	VNB10	VNB14	VNB35
Supplier Device Package	D2PAK	D2PAK	D2PAK	D2PAK
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Features	Status Flag	-	-	-
Interface	On/Off	On/Off	On/Off	On/Off

### VNB20N07-E Datasheet PDF

Download VNB20N07-E pdf datasheets and STMicroelectronics documentation for VNB20N07-E - STMicroelectronics.

#### PCN Packaging

2.73KHz.pdf

#### PCN Assembly/Origin

2.73KHz.pdf

## HTML Datasheet


 VNx20N07(7FI).pdf

## PCN Design/Specification


 Vnyyy Bond Material Chg 14/Apr/2020.pdf

## Customers Also Interested in


### Recommended Products




**VNB10N07-E**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 D2PAK




**VNB14NV04**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 D2PAK




**VNB20N07TR-E MOS**  
STMicroelectronics




**VNB35NV04**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 D2PAK




**VNB35NV04-E**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 D2PAK




**VNB35N07**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 D2PAK




**VNB14NV04TR-E**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 D2PAK




**VNB14NV04-E**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 D2PAK




**VNB28N04**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 D2PAK




**VNB14NV0413TR**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 D2PAK




**VNB10N07TR-E**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 D2PAK




**VNB28N04TR-E**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 D2PAK




**VNB35N07-E**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 D2PAK




**VNB35N07TR-E**  
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IC PWR DRIVER N-CHAN 1:1 D2PAK




**VNB10N07**  
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IC PWR DRIVER N-CHAN 1:1 D2PAK



**VNB20N07**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 D2PAK



**VNB14N04**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 D2PAK



**VNB20N07TR-E**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 D2PAK

## 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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