



Image may be representation.  
See specifications for product details.



## VN7050ASTR

Manufacturer Part Number	<b>VN7050ASTR</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-VN7050ASTR
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC PWR DRIVER N-CHANNEL 1:1 8SO
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	<b>VN7050A(J,S).pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

VN7050ASTR - STMicroelectronics.New Original in Stock. Download Linear Technology VN7050ASTR datasheet/specifications on AllelcoElec.com.  
Request a quote for VN7050ASTR, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

VN7050ASTR Tech Specifications  
VN7050ASTR - 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	4V ~ 28V	Number of Outputs	1
Switch Type	General Purpose	Mounting Type	Surface Mount
Supplier Device Package	8-SOIC	Interface	On/Off
Series	VIPower™	Input Type	Non-Inverting
Rds On (Typ)	50mOhm	Features	Auto Restart, Status Flag
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, UVLO
Package / Case	8-SOIC (0.154", 3.90mm Width)	Current - Output (Max)	21A
Package	Tape & Reel (TR)	Base Product Number	VN7050
Output Type	N-Channel		

### Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VN7050ASTR

Product Attribute				
Part Number	VN7050ASTR	VN7040ASTR	VN7140ASTR	VN7140ASTR-E
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
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
Rds On (Typ)	50mOhm	40mOhm	140mOhm	140mOhm
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Interface	On/Off	On/Off	On/Off	On/Off
Voltage - Load	4V ~ 28V	4V ~ 28V	4V ~ 28V	4V ~ 28V
Supplier Device Package	8-SOIC	8-SOIC	8-SOIC	8-SOIC
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
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)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)
Ratio - Input:Output	1:1	1:1	1:1	1:1
Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, UVLO	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, UVLO	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, UVLO	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage, UVLO
Features	Auto Restart, Status Flag	Auto Restart, Status Flag	Auto Restart, Status Flag	Auto Restart, Status Flag
Base Product Number	VN7050	VN7040	VN7140	VN7140
Current - Output (Max)	21A	24A	8A	8A

### VN7050ASTR Datasheet PDF

Download VN7050ASTR pdf datasheets and STMicroelectronics documentation for VN7050ASTR - STMicroelectronics.

#### PCN Packaging

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

[Mult Dev Label Chgs 29/Oct/2020.pdf](#)

#### PCN Assembly/Origin

[2.73KHz.pdf](#)

 VN7050A(J,S).pdf

**Customers Also Interested in**

**Recommended Products**



**VN750-B513TR-E**  
STMicroelectronics



**VN7040ASTR**  
STMicroelectronics  
IC PWR DRIVER N-CHANNEL 1:1 8SO



**VN7140ASTR**  
STMicroelectronics  
IC PWR DRIVER N-CHANNEL 1:1 8SO



**VN7140ASTR-E**  
STMicroelectronics  
IC PWR DRIVER N-CHANNEL 1:1 8SO



**VN7140AS**  
STMicroelectronics



**VN7020AJ**  
STMicroelectronics



**VN7140AJTR**  
STMicroelectronics  
IC PWR DRVR N-CHAN 1:1 PWRSSO16



**VN7040ASTR-E**  
STMicroelectronics  
IC PWR DRIVER N-CHANNEL 1:1 8SO



**VN7040AJTR-E**  
STMicroelectronics  
IC PWR DRVR N-CHAN 1:1 PWRSSO16



**VN7050AJTR**  
STMicroelectronics  
IC PWR DRVR N-CHAN 1:1 PWRSSO16



**VN7040AJTR**  
STMicroelectronics  
IC PWR DRVR N-CHAN 1:1 PWRSSO16



**VN7050AJTR-E**  
STMicroelectronics  
IC PWR DRVR N-CHAN 1:1 PWRSSO16



**VN7140AJTR-E**  
STMicroelectronics  
IC PWR DRVR N-CHAN 1:1 PWRSSO16



**VN7020AJTR**  
STMicroelectronics  
IC PWR DRVR N-CHAN 1:1 PWRSSO16



**VN7020AJTR-E**  
STMicroelectronics  
IC PWR DRVR N-CHAN 1:1 PWRSSO16



**VN750-B5**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 P2PAK



**VN750-B513TR**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 P2PAK



**VN750B5TR-E**  
STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1 P2PAK

**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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**Contact us**

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong  
Phone: +00852 9146 4856  
Fax: +00852 3010 8510  
Email: info@Allelco.com