



Image may be representation.  
See specifications for product details.



## VNQ690SP13TR

Manufacturer Part Number	<b>VNQ690SP13TR</b>
Manufacturer	<b>STMicroelectronics</b>
Allelco Part Number	32D-VNQ690SP13TR
ECAD Model	Request Free CAD Models
Parts Description	IC PWR DRIVER N-CHAN 1:1 PWRSO10
Package	PowerSO-10 Exposed Bottom Pad
Data sheet	<b>VNQ690SP.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

VNQ690SP13TR - STMicroelectronics.New Original in Stock. Download Linear Technology VNQ690SP13TR datasheet/specifications on AllelcoElec.com.  
Request a quote for VNQ690SP13TR, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

VNQ690SP13TR Tech Specifications

VNQ690SP13TR - 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	6V ~ 36V	Number of Outputs	4
Switch Type	General Purpose	Mounting Type	Surface Mount
Supplier Device Package	10-PowerSO	Interface	On/Off
Series	-	Input Type	Non-Inverting
Rds On (Typ)	90mOhm (Max)	Features	Status Flag
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Package / Case	PowerSO-10 Exposed Bottom Pad	Current - Output (Max)	10A
Package	Tape & Reel (TR)	Base Product Number	VNQ690
Output Type	N-Channel		

### Parts with Similar Specifications

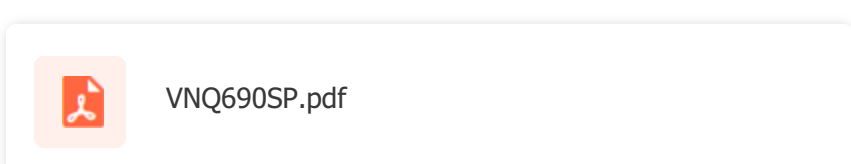
The three parts on the right have similar specifications to STMicroelectronics VNQ690SP13TR

Product Attribute				
Part Number	VNQ690SP13TR	VNQ7040AYTR	VNQ7140AJTR	VNQ7040AYTR-E
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Output Configuration	High Side	High Side	High Side	High Side
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Number of Outputs	4	4	4	4
Features	Status Flag	Status Flag	Auto Restart, Status Flag	Status Flag
Base Product Number	VNQ690	VNQ7040	VNQ7140	VNQ7040
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Rds On (Typ)	90mOhm (Max)	40mOhm	140mOhm	40mOhm
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Supplier Device Package	10-PowerSO	PowerSSO-36 EPD	PowerSSO-16	PowerSSO-36 EPD
Ratio - Input:Output	1:1	1:1	1:1	1:1
Current - Output (Max)	10A	24A	8A	24A
Voltage - Supply (Vcc/Vdd)	Not Required	Not Required	Not Required	Not Required
Voltage - Load	6V ~ 36V	4V ~ 28V	4V ~ 28V	4V ~ 28V
Package / Case	PowerSO-10 Exposed Bottom Pad	36-PowerBFSOP (0.295", 7.50mm Width)	16-PowerLFSOP (0.154", 3.90mm Width)	36-PowerBFSOP (0.295", 7.50mm Width)
Interface	On/Off	Parallel	On/Off	Parallel
Series	-	Automotive, AEC-Q100, VIPOWER™	VIPOWER™	Automotive, AEC-Q100, VIPOWER™
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage	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
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

### VNQ690SP13TR Datasheet PDF

Download VNQ690SP13TR pdf datasheets and STMicroelectronics documentation for VNQ690SP13TR - STMicroelectronics.

#### HTML Datasheet



### Customers Also Interested in

## Recommended Products



### VNQ7040AYTR

STMicroelectronics  
IC PWR DRVR N-CHAN 1:1  
PWRSSO36



### VNQ7140AJTR

STMicroelectronics  
IC PWR DRVR N-CHAN 1:1  
PWRSSO16



### VNQ7040AYTR-E

STMicroelectronics  
IC PWR DRVR N-CHAN 1:1  
PWRSSO36



### VNQ7140AJTR-E

STMicroelectronics  
IC PWR DRVR N-CHAN 1:1  
PWRSSO16



### VNQ7040AY

STMicroelectronics



### VNQ7050AJTR

STMicroelectronics  
IC PWR DRVR N-CHAN 1:1  
PWRSSO16



### VNQ660SP

STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1  
PWRSSO10



### VNQ660SPTR-E

STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1  
PWRSSO10



### VNQ6040STR-E

STMicroelectronics  
IC PWR DRVR N-CHAN 1:1  
PWRSSO36



### VNQ7050AJ-E

STMicroelectronics  
IC PWR DRVR N-CHAN 1:1  
PWRSSO16



### VNQ600PTR-E

STMicroelectronics  
IC PWR DRIVER N-CHANNEL 1:1  
28SO



### VNQ7140AJ-E

STMicroelectronics  
IC PWR DRVR N-CHAN 1:1  
PWRSSO16



### VNQ6040S-BB

STMicroelectronics



### VNQ690SPTR-E

STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1  
PWRSSO10



### VNQ600TR-E

STMicroelectronics  
IC PWR DRIVER N-CHANNEL 1:1  
28SO



### VNQ660SP-E

STMicroelectronics  
IC PWR DRIVER N-CHAN 1:1  
PWRSSO10



### VNQ7E100AJTR

STMicroelectronics  
IC PWR DRVR N-CHAN 1:1  
PWRSSO16



### VNQ6040S

STMicroelectronics

## 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



View More



ALLELCO LIMITED  
WWW.ALLELCOELEC.COM

## 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

Copyright © 2012-2023 AllelcoElec.com. All rights reserved.