

Image may be representation.
See specifications for product details.



VN820PT-E

Manufacturer Part Number	VN820PT-E
Manufacturer	STMicroelectronics
Allelco Part Number	32D-VN820PT-E
ECAD Model	Request Free CAD Models
Parts Description	IC PWR DRIVER N-CHANNEL 1:1 PPAK
Package	TO-252-5, DPak (4 Leads + Tab), TO-252AD
Data sheet	VN820-E.pdf
RoHs Status	ROHS3 Compliant

[Get a Quote](#)

VN820PT-E - STMicroelectronics.New Original in Stock. Download Linear Technology VN820PT-E datasheet/specifications on AllelcoElec.com.
Request a quote for VN820PT-E, please send us email: info@allelco.com

Specifications

VN820PT-E Tech Specifications

VN820PT-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	5.5V ~ 36V	Number of Outputs	1
Switch Type	General Purpose	Mounting Type	Surface Mount
Supplier Device Package	PPAK	Interface	On/Off
Series	-	Input Type	Non-Inverting
Rds On (Typ)	40mOhm (Max)	Features	Auto Restart, Status Flag
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Package / Case	TO-252-5, DPak (4 Leads + Tab), TO-252AD	Current - Output (Max)	9A
Package	Tube	Base Product Number	VN820
Output Type	N-Channel		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VN820PT-E

Product Attribute				
Part Number	VN820PT-E	VN808TR-E	VN808TR-32-E	VN820PTTR-E
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Input Type	Non-Inverting	Non-Inverting	Non-Inverting	Non-Inverting
Output Configuration	High Side	High Side	High Side	High Side
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Ratio - Input:Output	1:1	1:1	1:1	1:1
Switch Type	General Purpose	General Purpose	General Purpose	General Purpose
Number of Outputs	1	8	8	1
Interface	On/Off	On/Off	On/Off	On/Off
Supplier Device Package	PPAK	PowerSO-36, Bottom Pad	PowerSO-36, Bottom Pad	PPAK
Series	-	VIpower™	VIpower™	VIpower™
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Voltage - Load	5.5V ~ 36V	10.5V ~ 45V	10.5V ~ 45V	5.5V ~ 36V
Rds On (Typ)	40mOhm (Max)	150mOhm	150mOhm	40mOhm (Max)
Features	Auto Restart, Status Flag	Auto Restart, Status Flag	Auto Restart, Status Flag	Auto Restart, Status Flag
Base Product Number	VN820	VN808	VN808	VN820
Current - Output (Max)	9A	700mA	1A	9A
Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage	Current Limiting (Fixed), Over Temperature	Current Limiting (Fixed), Over Temperature	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 150°C (TJ)
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	TO-252-5, DPak (4 Leads + Tab), TO-252AD	36-PowerBSSOP (0.433", 11.00mm Width)	36-PowerBSSOP (0.433", 11.00mm Width)	TO-252-5, DPak (4 Leads + Tab), TO-252AD
Voltage - Supply (Vcc/Vdd)	Not Required	Not Required	Not Required	Not Required

VN820PT-E Datasheet PDF

Download VN820PT-E pdf datasheets and STMicroelectronics documentation for VN820PT-E - STMicroelectronics.

PCN Packaging



PCN Assembly/Origin

2.73KHz.pdf

HTML Datasheet

VN820-E.pdf

Customers Also Interested in

Recommended Products

 VN808EF Monolithic Power Systems	 VN808TR-E STMicroelectronics IC PWR DRIVER N-CHAN 1:1 PWR5036	 VN808TR-32-E STMicroelectronics IC PWR DRIVER N-CHAN 1:1 PWR5036	 VN820PTTR-E STMicroelectronics IC PWR DRIVER N-CHANNEL 1:1 PPAK	 VN820PT STMicroelectronics IC PWR DRIVER N-CHANNEL 1:1 PPAK	 VN808TR STMicroelectronics
 VN820B5TR-E STMicroelectronics IC PWR DRIVER N-CHAN 1:1 P2PAK	 VN820SP STMicroelectronics IC PWR DRIVER N-CHAN 1:1 PWR5010	 VN808SR STMicroelectronics IC PWR DRIVER N-CHAN 1:1 PWR5036	 VN820B5-E STMicroelectronics IC PWR DRIVER N-CHAN 1:1 P2PAK	 VN820SPTR-E STMicroelectronics IC PWR DRIVER N-CHAN 1:1 PWR5010	 VN810EF Monolithic Power Systems
 VN830E STMicroelectronics	 VN808SR13TR STMicroelectronics IC PWR DRIVER N-CHAN 1:1 PWR5036	 VN820PT13TR STMicroelectronics IC PWR DRIVER N-CHANNEL 1:1 PPAK	 VN820PTTRE STMicroelectronics	 VN820D-B513TR STMicroelectronics	 VN820-B513TR 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

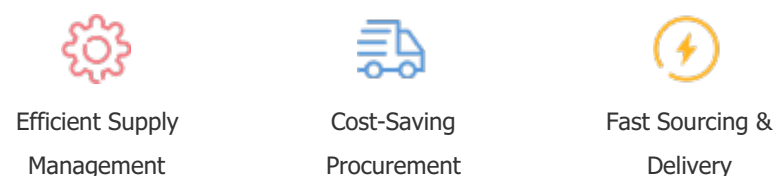
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

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 -



Contact us if you have any questions.



Certifications & Memberships



View More