



Image may be representation.  
See specifications for product details.



## VN920SP

|                          |                                  |
|--------------------------|----------------------------------|
| Manufacturer Part Number | <b>VN920SP</b>                   |
| Manufacturer             | <b>STMicroelectronics</b>        |
| Allelco Part Number      | 32D-VN920SP                      |
| 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>VN920SP.pdf</b>               |
| RoHs Status              | <b>ROHS3 Compliant</b>           |

**Get a Quote**

VN920SP - STMicroelectronics.New Original in Stock. Download Linear Technology VN920SP datasheet/specifications on AllelcoElec.com.  
Request a quote for VN920SP, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

VN920SP Tech Specifications

VN920SP - 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    | 10-PowerSO                    | Interface              | On/Off   |
| Series                     | VIPower™                      | Input Type             | Non-Inverting  |
| Rds On (Typ)               | 15mOhm (Max)                  | Features               | Auto Restart   |
| Ratio - Input:Output       | 1:1                           | Fault Protection       | Current Limiting (Fixed), Over Temperature, Over Voltage |
| Package / Case             | PowerSO-10 Exposed Bottom Pad | Current - Output (Max) | 30A  |
| Package                    | Tube                          | Base Product Number    | VN920  |
| Output Type                | N-Channel                     |                        |  |

## Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VN920SP

| Product Attribute          |  |  |  |  |
|----------------------------|--|--|--|--|
| Part Number                | VN920SP  | <b>VN920SPTR-E</b>                                       | <b>VN920-B513TR</b>                                      | <b>VN920B5TR-E</b>                                       |
| Manufacturer               | STMicroelectronics                                       | STMicroelectronics                                       | STMicroelectronics                                       | STMicroelectronics                                       |
| Interface                  | On/Off   | On/Off   | On/Off   | On/Off   |
| Package / Case             | PowerSO-10 Exposed Bottom Pad                            | PowerSO-10 Exposed Bottom Pad                            | P2PAK (4 Leads + Tab)                                    | P2PAK (4 Leads + Tab)                                    |
| Input Type                 | Non-Inverting  | Non-Inverting  | Non-Inverting  | Non-Inverting  |
| Base Product Number        | VN920  | VN920  | VN920  | VN920  |
| Switch Type                | General Purpose  | General Purpose  | General Purpose  | General Purpose  |
| Ratio - Input:Output       | 1:1  | 1:1  | 1:1  | 1:1  |
| 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 |
| Operating Temperature      | -40°C ~ 150°C (TJ)                                       | -40°C ~ 150°C (TJ)                                       | -40°C ~ 150°C (TJ)                                       | -40°C ~ 150°C (TJ)                                       |
| Features                   | Auto Restart   | Auto Restart   | Auto Restart   | Auto Restart   |
| Series                     | VIPower™   | VIPower™   | VIPower™   | VIPower™   |
| Rds On (Typ)               | 15mOhm (Max)   | 15mOhm (Max)   | 16mOhm (Max)   | 18mOhm (Max)   |
| Voltage - Supply (Vcc/Vdd) | Not Required   | Not Required   | Not Required   | Not Required   |
| Mounting Type              | Surface Mount  | Surface Mount  | Surface Mount  | Surface Mount  |
| Output Type                | N-Channel  | N-Channel  | N-Channel  | N-Channel  |
| Voltage - Load             | 5.5V ~ 36V   | 5.5V ~ 36V   | 5.5V ~ 36V   | 5.5V ~ 36V   |
| Current - Output (Max)     | 30A  | 30A  | 30A  | 30A  |
| Supplier Device Package    | 10-PowerSO   | 10-PowerSO   | P2PAK  | P2PAK  |
| Package                    | Tube   | Tape & Reel (TR)   | Tape & Reel (TR)   | Tape & Reel (TR)   |
| Number of Outputs          | 1  | 1  | 1  | 1  |
| Output Configuration       | High Side  | High Side  | High Side  | High Side  |

## VN920SP Datasheet PDF



















Download VN920SP pdf datasheets and STMicroelectronics documentation for VN920SP - STMicroelectronics.

### HTML Datasheet



## Customers Also Interested in

## Recommended Products

|   |   |   |  |   |   |
|---|---|---|--|---|---|
|   |   |   |   |   |   |
| <b>VN920SPTR-E</b><br>STMicroelectronics<br>IC PWR DRIVER N-CHAN 1:1<br>PWR5010   | <b>VN920-B513TR</b><br>STMicroelectronics<br>IC PWR DRIVER N-CHAN 1:1 P2PAK       | <b>VN920B5TR-E</b><br>STMicroelectronics<br>IC PWR DRIVER N-CHAN 1:1 P2PAK        | <b>VN920SP13TR</b><br>STMicroelectronics<br>IC PWR DRIVER N-CHAN 1:1<br>PWR5010    | <b>VN920PEP</b><br>STMicroelectronics   | <b>VN920B5HTR-E</b><br>STMicroelectronics<br>IC PWR DRIVER N-CHAN 1:1 P2PAK         |
|  |  |  |  |  |  |
| <b>VN920SO</b><br>STMicroelectronics<br>IC PWR DRIVER N-CHANNEL 1:1<br>16SO       | <b>VN920-B5</b><br>STMicroelectronics<br>IC PWR DRIVER N-CHAN 1:1 P2PAK           | <b>VN990TR-E</b><br>STMicroelectronics  | <b>VN920D-B513TR</b><br>STMicroelectronics<br>IC PWR DRIVER N-CHAN 1:1 P2PAK       | <b>VN9583</b><br>XX   | <b>VN920PEPTR-E</b><br>STMicroelectronics<br>IC PWR DRVR N-CHAN 1:1<br>PWRSS024     |
|  |  |  |  |  |  |
| <b>AP2191MPG-13</b><br>Diodes Incorporated<br>IC PWR SWITCH P-CHAN 1:1 8MSOP      | <b>VN920PEP-E</b><br>STMicroelectronics<br>IC PWR DRVR N-CHAN 1:1<br>PWRSS024     | <b>VN920B5</b><br>INFINE/ON   | <b>VN920B5-E</b><br>STMicroelectronics<br>IC PWR DRIVER N-CHAN 1:1 P2PAK           | <b>RT9712BGS</b><br>Richtek USA Inc.<br>IC PWR SWITCH N-CHANNEL 1:1<br>8SOP         | <b>SPF5018</b><br>Sanken<br>HIGH SIDE POWER SWITCH IC FOR<br>AU                     |

## 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.

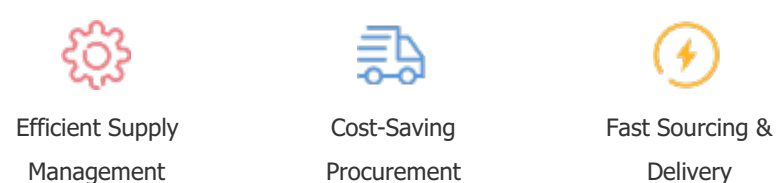
## Payment Support

The payment method can be chosen from the methods shown below:

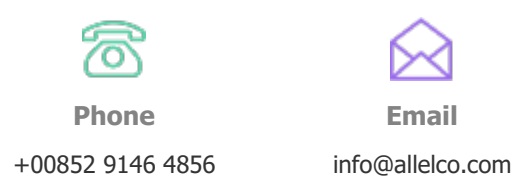
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,  
PayPal.



## Your Faithful Supply Chain Partner -



Contact us if you have any questions.



## Certifications & Memberships



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