



### NCV7754DPR2G Information

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For Reference Only

Manufacture Category

**Description** 

Part Number NCV7754DPR2G Manufacturer ON Semiconductor

egory Integrated Circuits (ICs)

PMIC - Power Distribution Switches, Load Drivers IC DVR LOW SIDE 8CH RELAY 24SSOP

**Package** 24-SSOP (0.154", 3.90mm Width)

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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# **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









| Manufacturer Part Number         NCV7754DPR2G           Manufacturer         ON Semiconductor           Category         Integrated Circuits (ICs)           Package         24-SSOP (0.154", 3.90mm Width)           Series         Automotive, AEC-Q100           Switch Type         Relay, Solenoid Driver           Number of Outputs         8           Ratio - Input:Output         1:8           Output Configuration         Low Side           Output Type         N-Channel           Interface         SPI           Voltage - Load         36V (Max)           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Current - Output (Max)         500mA           Rds On (Typ)         800 mOhm           Input Type         -           Features         -           Fault Protection         Open Load Detect, Over Temperature           Operating Temperature         -40°C ~ 150°C (TJ)           Package / Case         24-SSOP (0.154", 3.90mm Width)           Supplier Device Package         24-SSOP |                            |  |
|---|----------------------------|--|
| Category         Integrated Circuits (ICs)           PMIC - Power Distribution Switches, Load Drivers           Package         24-SSOP (0.154", 3.90mm Width)           Series         Automotive, AEC-Q100           Switch Type         Relay, Solenoid Driver           Number of Outputs         8           Ratio - Input:Output         1:8           Output Configuration         Low Side           Output Type         N-Channel           Interface         SPI           Voltage - Load         36V (Max)           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Current - Output (Max)         500mA           Rds On (Typ)         800 mOhm           Input Type         -           Features         -           Features         -           Fault Protection         Open Load Detect, Over Temperature           Operating Temperature         -40°C ~ 150°C (TJ)           Package / Case         24-SSOP (0.154", 3.90mm Width)           Supplier Device Package         24-SSOP                 | Manufacturer Part Number   | NCV7754DPR2G                                     |
| PMIC - Power Distribution Switches, Load Drivers           Package         24-SSOP (0.154", 3.90mm Width)           Series         Automotive, AEC-Q100           Switch Type         Relay, Solenoid Driver           Number of Outputs         8           Ratio - Input:Output         1:8           Output Configuration         Low Side           Output Type         N-Channel           Interface         SPI           Voltage - Load         36V (Max)           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Current - Output (Max)         500mA           Rds On (Typ)         800 mOhm           Input Type         -           Features         -           Fault Protection         Open Load Detect, Over Temperature           Operating Temperature         -40°C ~ 150°C (TJ)           Package / Case         24-SSOP (0.154", 3.90mm Width)           Supplier Device Package         24-SSOP   | Manufacturer               | ON Semiconductor                                 |
| Package         24-SSOP (0.154", 3.90mm Width)           Series         Automotive, AEC-Q100           Switch Type         Relay, Solenoid Driver           Number of Outputs         8           Ratio - Input:Output         1:8           Output Configuration         Low Side           Output Type         N-Channel           Interface         SPI           Voltage - Load         36V (Max)           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Current - Output (Max)         500mA           Rds On (Typ)         800 mOhm           Input Type         -           Features         -           Fault Protection         Open Load Detect, Over Temperature           Operating Temperature         -40°C ~ 150°C (TJ)           Package / Case         24-SSOP (0.154", 3.90mm Width)           Supplier Device Package         24-SSOP  | Category                   | Integrated Circuits (ICs)                        |
| Series         Automotive, AEC-Q100           Switch Type         Relay, Solenoid Driver           Number of Outputs         8           Ratio - Input:Output         1:8           Output Configuration         Low Side           Output Type         N-Channel           Interface         SPI           Voltage - Load         36V (Max)           Voltage - Supply (Vcc/Vdd)         3 V ~ 5.5 V           Current - Output (Max)         500mA           Rds On (Typ)         800 mOhm           Input Type         -           Features         -           Fault Protection         Open Load Detect, Over Temperature           Operating Temperature         -40°C ~ 150°C (TJ)           Package / Case         24-SSOP (0.154", 3.90mm Width)           Supplier Device Package         24-SSOP   |                            | PMIC - Power Distribution Switches, Load Drivers |
| Switch TypeRelay, Solenoid DriverNumber of Outputs8Ratio - Input:Output1:8Output ConfigurationLow SideOutput TypeN-ChannelInterfaceSPIVoltage - Load36V (Max)Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VCurrent - Output (Max)500mARds On (Typ)800 mOhmInput Type-Features-Fault ProtectionOpen Load Detect, Over TemperatureOperating Temperature-40°C ~ 150°C (TJ)Package / Case24-SSOP (0.154", 3.90mm Width)Supplier Device Package24-SSOP  | Package                    | 24-SSOP (0.154", 3.90mm Width)                   |
| Number of Outputs8Ratio - Input:Output1:8Output ConfigurationLow SideOutput TypeN-ChannelInterfaceSPIVoltage - Load36V (Max)Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VCurrent - Output (Max)500mARds On (Typ)800 mOhmInput Type-Features-Fault ProtectionOpen Load Detect, Over TemperatureOperating Temperature-40°C ~ 150°C (TJ)Package / Case24-SSOP (0.154", 3.90mm Width)Supplier Device Package24-SSOP   | Series                     | Automotive, AEC-Q100                             |
| Ratio - Input:Output1:8Output ConfigurationLow SideOutput TypeN-ChannelInterfaceSPIVoltage - Load36V (Max)Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VCurrent - Output (Max)500mARds On (Typ)800 mOhmInput Type-Features-Fault ProtectionOpen Load Detect, Over TemperatureOperating Temperature-40°C ~ 150°C (TJ)Package / Case24-SSOP (0.154", 3.90mm Width)Supplier Device Package24-SSOP   | Switch Type                | Relay, Solenoid Driver                           |
| Output ConfigurationLow SideOutput TypeN-ChannelInterfaceSPIVoltage - Load36V (Max)Voltage - Supply (Vcc/Vdd)3 V ~ 5.5 VCurrent - Output (Max)500mARds On (Typ)800 mOhmInput Type-Features-Fault ProtectionOpen Load Detect, Over TemperatureOperating Temperature-40°C ~ 150°C (TJ)Package / Case24-SSOP (0.154", 3.90mm Width)Supplier Device Package24-SSOP  | Number of Outputs          | 8  |
| Output Type  Interface  SPI  Voltage - Load  36V (Max)  Voltage - Supply (Vcc/Vdd)  3 V ~ 5.5 V  Current - Output (Max)  Rds On (Typ)  800 mOhm  Input Type  - Features  Fault Protection  Open Load Detect, Over Temperature  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  SPI  N-Channel  80V (Max)  80V (Max)  500mA  800 mOhm  1nput Type  - Case  40°C ~ 150°C (TJ)  Package / Case  24-SSOP (0.154", 3.90mm Width)  Supplier Device Package   | Ratio - Input:Output       | 1:8  |
| Interface SPI  Voltage - Load 36V (Max)  Voltage - Supply (Vcc/Vdd) 3 V ~ 5.5 V  Current - Output (Max) 500mA  Rds On (Typ) 800 mOhm  Input Type -  Features -  Fault Protection Open Load Detect, Over Temperature  Operating Temperature -40°C ~ 150°C (TJ)  Package / Case 24-SSOP (0.154", 3.90mm Width)  Supplier Device Package 24-SSOP   | Output Configuration       | Low Side   |
| Voltage - Load  36V (Max)  Voltage - Supply (Vcc/Vdd)  3 V ~ 5.5 V  Current - Output (Max)  500mA  Rds On (Typ)  800 mOhm  Input Type  - Features  - Fault Protection  Open Load Detect, Over Temperature  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  24-SSOP (0.154", 3.90mm Width)  Supplier Device Package   | Output Type                | N-Channel  |
| Voltage - Supply (Vcc/Vdd)  3 V ~ 5.5 V  Current - Output (Max)  500mA  Rds On (Typ)  800 mOhm  Input Type  - Features  - Fault Protection  Open Load Detect, Over Temperature  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  24-SSOP (0.154", 3.90mm Width)  Supplier Device Package  | Interface                  | SPI  |
| Current - Output (Max)  Rds On (Typ)  800 mOhm  Input Type  - Features  - Fault Protection  Open Load Detect, Over Temperature  Operating Temperature  -40°C ~ 150°C (TJ)  Package / Case  24-SSOP (0.154", 3.90mm Width)  Supplier Device Package  | Voltage - Load             | 36V (Max)  |
| Rds On (Typ)800 mOhmInput Type-Features-Fault ProtectionOpen Load Detect, Over TemperatureOperating Temperature-40°C ~ 150°C (TJ)Package / Case24-SSOP (0.154", 3.90mm Width)Supplier Device Package24-SSOP   | Voltage - Supply (Vcc/Vdd) | 3 V ~ 5.5 V                                      |
| Input Type - Features - Fault Protection Open Load Detect, Over Temperature Operating Temperature -40°C ~ 150°C (TJ) Package / Case 24-SSOP (0.154", 3.90mm Width) Supplier Device Package 24-SSOP  | Current - Output (Max)     | 500mA  |
| Features - Copen Load Detect, Over Temperature Operating Temperature -40°C ~ 150°C (TJ)  Package / Case 24-SSOP (0.154", 3.90mm Width)  Supplier Device Package 24-SSOP   | Rds On (Typ)               | 800 mOhm   |
| Fault Protection Open Load Detect, Over Temperature Operating Temperature $-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ (TJ) Package / Case 24-SSOP (0.154", 3.90mm Width) Supplier Device Package 24-SSOP   | Input Type                 | -  |
| Operating Temperature -40°C ~ 150°C (TJ)  Package / Case 24-SSOP (0.154", 3.90mm Width)  Supplier Device Package 24-SSOP  | Features                   | -  |
| Package / Case 24-SSOP (0.154", 3.90mm Width) Supplier Device Package 24-SSOP   | Fault Protection           | Open Load Detect, Over Temperature               |
| Supplier Device Package 24-SSOP   | Operating Temperature      | -40°C ~ 150°C (TJ)                               |
|   | Package / Case             | 24-SSOP (0.154", 3.90mm Width)                   |
| Report errors?  | Supplier Device Package    | 24-SSOP  |
|   |                            | Report errors?                                   |

#### **NCV7754DPR2G Guarantees**



#### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## **NCV7754DPR2G Payment Methods**



















### NCV7754DPR2G Shipping Methods













If you have any question about NCV7754DPR2G, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com