

Image may be representation.
See specifications for product details.



NCP1579DR2G

| | |
|--------------------------|----------------------------------|
| Manufacturer Part Number | NCP1579DR2G |
| Manufacturer | onsemi |
| Allelco Part Number | 32D-NCP1579DR2G |
| ECAD Model | PCB Symbol, Footprint & 3D Model |
| Parts Description | IC REG CTRLR BUCK 8SOIC |
| Package | 8-SOIC (0.154", 3.90mm Width) |
| Data sheet | NCP1579.pdf |
| | NCP1579.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

NCP1579DR2G - onsemi.New Original in Stock. Download Linear Technology NCP1579DR2G datasheet/specifications on AllelcoElec.com.
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Specifications

NCP1579DR2G Tech Specifications

NCP1579DR2G - onsemi technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|----------------------------|-------------------------------|-----------------------|-----------------------|
| Manufacturer | onsemi | Output Configuration | Positive |
| Voltage - Supply (Vcc/Vdd) | 4.5V ~ 13.2V | Operating Temperature | 0°C ~ 70°C (TA) |
| Topology | Buck | Number of Outputs | 1 |
| Synchronous Rectifier | Yes | Mounting Type | Surface Mount |
| Supplier Device Package | 8-SOIC | Function | Step-Down |
| Series | - | Frequency - Switching | 275kHz |
| Serial Interfaces | - | Duty Cycle (Max) | 75% |
| Package / Case | 8-SOIC (0.154", 3.90mm Width) | Control Features | Enable, Phase Control |
| Package | Tape & Reel (TR) | Clock Sync | No |
| Output Type | Transistor Driver | Base Product Number | NCP1579 |
| Output Phases | 1 | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NCP1579DR2G

| Product Attribute | | | | |
|----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Part Number | NCP1579DR2G | NCP1587ADR2G | NCP1575DR2G | NCP1582ADR2G |
| Manufacturer | onsemi | onsemi | onsemi | onsemi |
| Series | - | - | - | - |
| Frequency - Switching | 275kHz | 200kHz | 280kHz | 350kHz |
| Clock Sync | No | No | No | No |
| Number of Outputs | 1 | 1 | 1 | 1 |
| Synchronous Rectifier | Yes | Yes | Yes | Yes |
| Output Configuration | Positive | Positive | Positive | Positive |
| Duty Cycle (Max) | 75% | 75% | - | 75% |
| Output Phases | 1 | 1 | 1 | 1 |
| 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) |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Output Type | Transistor Driver | Transistor Driver | Transistor Driver | Transistor Driver |
| Base Product Number | NCP1579 | NCP1587 | NCP1575 | NCP1582 |
| Topology | Buck | Buck | Buck | Buck |
| Package | Tape & Reel (TR) | Tape & Reel (TR) | Tape & Reel (TR) | Tape & Reel (TR) |
| Function | Step-Down | Step-Down | Step-Down | Step-Down |
| Serial Interfaces | - | - | - | - |
| Voltage - Supply (Vcc/Vdd) | 4.5V ~ 13.2V | 4.5V ~ 13.2V | 7.5V ~ 20V | 4.5V ~ 13.2V |
| Operating Temperature | 0°C ~ 70°C (TA) | 0°C ~ 70°C (TA) | 0°C ~ 125°C (TJ) | -40°C ~ 85°C (TA) |
| Control Features | Enable, Phase Control | Enable, Phase Control | Frequency Control | Enable, Phase Control |
| Supplier Device Package | 8-SOIC | 8-SOIC | 8-SOIC | 8-SOIC |

NCP1579DR2G Datasheet PDF

Download NCP1579DR2G pdf datasheets and onsemi documentation for NCP1579DR2G - onsemi.

Datasheets

[NCP1579.pdf](#)


Environmental Information

[onsemi REACH.pdf](#)

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[Material Declaration NCP1579DR2G.pdf](#)

PCN Packaging




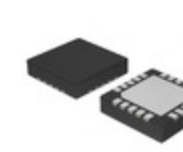




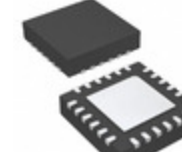









 Mult MSL1 Pkg Rev 20/Dec/2018.pdf

HTML Datasheet

 NCP1579.pdf

Customers Also Interested in

Recommended Products

| | | | | | |
|---|--|---|---|--|---|
|  NCP1587ADR2G onsemi IC REG CTRLR BUCK 8SOIC |  NCP1575DR2G onsemi IC REG CTRLR BUCK 8SOIC |  NCP1578 AMI Semiconductor/onsemi |  NCP1578MNR2G onsemi IC REG DL BUCK/LINEAR SYNC 20QFN |  NCP1582ADR2G onsemi IC REG CTRLR BUCK 8SOIC |  NCP1583DR2G onsemi IC REG CTRLR BUCK 8SOIC |
|  NCP1570DR2 AMI Semiconductor/onsemi |  NCP1571DR2G onsemi IC REG CTRLR BUCK 8SOIC |  NCP1565MNTXG onsemi IC OFFLINE SWITCH FWD 24QFN |  NCP1571DG onsemi IC REG CTRLR BUCK 8SOIC |  NCP1570DR2G AMI Semiconductor/onsemi |  NCP1586DR2G onsemi IC REG CTRLR BUCK 8SOIC |
|  NCP1571DR2 onsemi IC REG CTRLR BUCK 8SOIC |  NCP1580DR2G onsemi IC REG CTRLR BUCK 8SOIC |  NCP1570D AMI Semiconductor/onsemi |  NCP1580DR2 onsemi IC REG CTRLR BUCK 8SOIC |  NCP1582DR2G onsemi IC REG CTRLR BUCK 8SOIC |  NCP1581DR2G onsemi IC REG CTRLR BUCK 14SOIC |

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.



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|--|--|---|
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