



Image may be representation.  
See specifications for product details.



## NCP3020BDR2G

Manufacturer Part Number	<b>NCP3020BDR2G</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-NCP3020BDR2G
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC REG CTRLR BUCK 8SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

NCP3020BDR2G - onsemi.New Original in Stock. Download Linear Technology NCP3020BDR2G datasheet/specifications on AllelcoElec.com.  
Request a quote for NCP3020BDR2G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

NCP3020BDR2G Tech Specifications

NCP3020BDR2G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Output Configuration	Positive
Voltage - Supply (Vcc/Vdd)	4.7V ~ 28V	Operating Temperature	-40°C ~ 125°C (TJ)
Topology	Buck	Number of Outputs	1
Synchronous Rectifier	Yes	Mounting Type	Surface Mount
Supplier Device Package	8-SOIC	Function	Step-Down
Series	-	Frequency - Switching	600kHz
Serial Interfaces	-	Duty Cycle (Max)	80%
Package / Case	8-SOIC (0.154", 3.90mm Width)	Control Features	-
Package	Tape & Reel (TR)	Clock Sync	No
Output Type	Transistor Driver	Base Product Number	NCP3020
Output Phases	1		

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NCP3020BDR2G

Product Attribute				
Part Number	NCP3020BDR2G	<b>NCP3020ADR2G</b>	<b>NCP302LSN09T1G</b>	<b>NCP302HSN27T1G</b>
Manufacturer	onsemi	onsemi	onsemi	onsemi
Synchronous Rectifier	Yes	Yes	-	-
Voltage - Supply (Vcc/Vdd)	4.7V ~ 28V	4.7V ~ 28V	-	-
Duty Cycle (Max)	80%	84%	-	-
Output Type	Transistor Driver	Transistor Driver	-	-
Control Features	-	-	-	-
Serial Interfaces	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Outputs	1	1	-	-
Series	-	-	-	-
Output Configuration	Positive	Positive	-	-
Supplier Device Package	8-SOIC	8-SOIC	5-TSOP	5-TSOP
Function	Step-Down	Step-Down	-	-
Base Product Number	NCP3020	NCP3020	NCP302	NCP302
Frequency - Switching	600kHz	300kHz	-	-
Output Phases	1	1	-	-
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	SOT-23-5 Thin, TSOT-23-5	SOT-23-5 Thin, TSOT-23-5
Clock Sync	No	No	-	-
Operating Temperature	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Topology	Buck	Buck	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)

### NCP3020BDR2G Datasheet PDF

Download NCP3020BDR2G pdf datasheets and onsemi documentation for NCP3020BDR2G - onsemi.

#### Datasheets

[Cylindrical Battery Holders.pdf](#)

#### Environmental Information



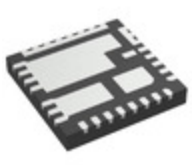


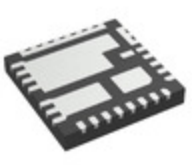





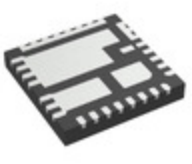
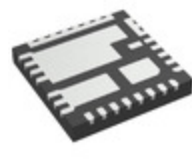
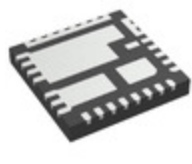
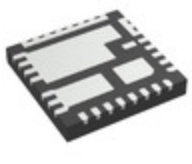

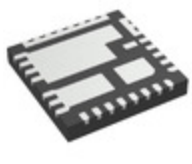

[onsemi RoHS.pdf](#)

[onsemi REACH.pdf](#)

[Material Declaration NCP3020BDR2G.pdf](#)

## Customers Also Interested in

### Recommended Products

					
<b>NCP302LSN09T1G</b> onsemi IC SUPERVISOR 1 CHANNEL 5TSOP	<b>NCP302HSN27T1G</b> onsemi IC SUPERVISOR 1 CHANNEL 5TSOP	<b>NCP302155MNTWG</b> onsemi IC GATE DRVR HI/LOW SIDE PQFN31	<b>NCP302HSN09T1</b> onsemi IC SUPERVISOR 1 CHANNEL 5TSOP	<b>NCP302LSN09T1</b> onsemi IC SUPERVISOR 1 CHANNEL 5TSOP	<b>NCP302045MNTWG</b> onsemi IC PWR DRIVER P-CHAN 2:1 31PQFN
					
<b>NCP302HSN18T1G</b> onsemi IC SUPERVISOR 1 CHANNEL 5TSOP	<b>NCP302HSN45T1G</b> onsemi IC SUPERVISOR 1 CHANNEL 5TSOP	<b>NCP3020ADR2G</b> onsemi IC REG CTRLR BUCK 8SOIC	<b>NCP302035MNTXG</b> AMI Semiconductor/onsemi	<b>NCP301LSN47T1</b> onsemi IC SUPERVISOR 1 CHANNEL 5TSOP	<b>NCP302035MNTWG</b> onsemi IC PWR DRIVER P-CHAN 2:1 31PQFN
					
<b>NCP302150MNTWG</b> onsemi IC GATE DRVR HI/LOW SIDE PQFN31	<b>NCP302155AMNTWG</b> onsemi INT DRIVER AND MOSFET	<b>NCP302055MNTWG</b> onsemi IC GATE DRVR HALF BRD/LOW PQFN31	<b>NCP302HSN30T1G</b> onsemi IC SUPERVISOR 1 CHANNEL 5TSOP	<b>NCP302040MNTWG</b> onsemi IC PWR DRIVER P-CHAN 2:1 31PQFN	<b>NCP301LSN47T1G</b> onsemi IC SUPERVISOR 1 CHANNEL 5TSOP

## 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

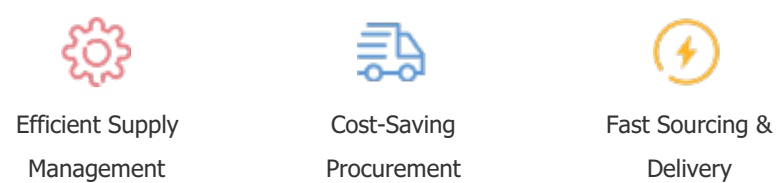
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### 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](#)