



Image may be representation.  
See specifications for product details.



## NCL30086BDR2G

Manufacturer Part Number	<b>NCL30086BDR2G</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-NCL30086BDR2G
ECAD Model	Request Free CAD Models
Parts Description	IC LED DRIVER OFFL PWM 10SOIC
Package	10-SOP (0.154", 3.90mm Width)
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
	<b>NCL30086.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

NCL30086BDR2G - onsemi.New Original in Stock. Download Linear Technology NCL30086BDR2G datasheet/specifications on AllelcoElec.com.  
Request a quote for NCL30086BDR2G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

NCL30086BDR2G Tech Specifications

NCL30086BDR2G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Operating Temperature	-40°C ~ 125°C (TA)
Voltage - Supply (Min)	8.8V	Number of Outputs	1
Voltage - Supply (Max)	20V	Mounting Type	Surface Mount
Voltage - Output	-	Internal Switch(s)	No
Type	AC DC Offline Switcher	Frequency	-
Topology	Flyback, SEPIC, Step-Down (Buck), Step-Up (Boost)	Dimming	Analog, PWM
Supplier Device Package	10-SOIC	Current - Output / Channel	-
Series	-	Base Product Number	NCL30086
Package / Case	10-SOP (0.154", 3.90mm Width)	Applications	Lighting
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NCL30086BDR2G

Product Attribute				
Part Number	NCL30086BDR2G	NCL30082BDR2G	NCL30076AADR2G	NCL30170BDR2G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Topology	Flyback, SEPIC, Step-Down (Buck), Step-Up (Boost)	Flyback	Step-Down (Buck)	-
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TJ)	-40°C ~ 125°C (TJ)
Voltage - Output	-	-	-	1V ~ 19V
Package / Case	10-SOP (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	8-SOIC (0.154", 3.90mm Width)	10-SOP (0.154", 3.90mm Width)
Applications	Lighting	-	LED Lighting	Lighting
Voltage - Supply (Min)	8.8V	8.8V	-	9V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Series	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	10-SOIC	8-SOIC	8-SOIC	10-SOIC
Type	AC DC Offline Switcher	AC DC Offline Switcher	DC DC Controller	Linear
Current - Output / Channel	-	-	800mA	-
Frequency	-	-	-	190kHz
Internal Switch(s)	No	No	No	Yes
Dimming	Analog, PWM	Analog, PWM	Analog, PWM	Analog
Number of Outputs	1	1	1	1
Voltage - Supply (Max)	20V	20V	30V	20.5V
Base Product Number	NCL30086	NCL30082	NCL30076	NCL30170

### NCL30086BDR2G Datasheet PDF

Download NCL30086BDR2G pdf datasheets and onsemi documentation for NCL30086BDR2G - onsemi.

#### Datasheets

[Cylindrical Battery Holders.pdf](#)

#### Environmental Information

[onsemi RoHS.pdf](#)

[onsemi REACH.pdf](#)

[Material Declaration NCL30086BDR2G.pdf](#)

#### PCN Assembly/Origin






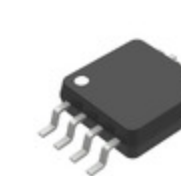
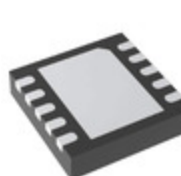











[2.73KHz.pdf](#)

 Wire Conversion 05/Nov/2021.pdf

 NCL30086.pdf

**Customers Also Interested in**

**Recommended Products**

					
<b>NCL30082BDR2G</b> onsemi IC LED DRIVER OFFL PWM 8SOIC	<b>NCL30076AADR2G</b> onsemi IC LED DRVR CTRL PWM 800MA 8SOIC	<b>NCL30170BDR2G</b> onsemi IC LED DRVR LINEAR ANALOG 10SOIC	<b>NCL30125BDR2G</b> onsemi IC PWM CONTROLLER 16SOIC	<b>NCL30082DDR2G</b> onsemi IC LED DRIVER OFFL PWM 8SOIC	<b>NCL30082ADMR2G</b> onsemi IC LED DRIVER OFFL PWM 8MSOP
					
<b>NCL30161MNTXG</b> onsemi IC LED DRIVER CTRLR PWM 10DFN	<b>NCL30160DR2G</b> onsemi IC LED DRIVER RGLTR PWM 1A 8SOIC	<b>NCL30082B3DR2G</b> onsemi IC LED DRIVER OFFL PWM 8SOIC	<b>NCL30185BDR2G</b> onsemi IC LED DRV OFFL MULTI-STEP 8SOIC	<b>NCL30082BDMR2G</b> onsemi IC LED DRIVER OFFL PWM 8MSOP	<b>NCL30082B1DR2G</b> onsemi IC LED DRIVER OFFL PWM 8SOIC
					
<b>NCL30105DR2G</b> onsemi IC LED DRIVER LINEAR PWM 8SOIC	<b>NCL30060BDR2G</b> onsemi IC LED DRIVER OFFL 7SOIC	<b>NCL30088BDR2G</b> onsemi IC LED DRIVER OFFL 8SOIC	<b>NCL30086BHDR2G</b> onsemi IC LED DRIVER OFFL PWM 10SOIC	<b>NCL30080BSNT1G</b> onsemi IC LED DRIVER OFFL 6TSOP	<b>NCL30100SNT1G</b> onsemi IC LED DRIVER CTRLR PWM 6TSOP

**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 -**

 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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**Contact us if you have any questions.**

 Phone +00852 9146 4856	 Email info@allelco.com
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**Certifications & Memberships**



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