

Image may be representation.  
See specifications for product details.



## ADP1829ACPZ-R7

Manufacturer Part Number	<b>ADP1829ACPZ-R7</b>
Manufacturer	<b>Analog Devices, Inc.</b>
Allelco Part Number	32D-ADP1829ACPZ-R7
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC REG CTRLR BUCK 32LFCSP
Package	32-WFQFN Exposed Pad, CSP
Data sheet	<b>ADP1829.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

ADP1829ACPZ-R7 - Analog Devices Inc..New Original in Stock. Download Linear Technology ADP1829ACPZ-R7 datasheet/specifications on AllelcoElec.com.  
Request a quote for ADP1829ACPZ-R7, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

ADP1829ACPZ-R7 Tech Specifications

ADP1829ACPZ-R7 - Analog Devices Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Analog Devices, Inc.	Output Configuration	Positive
Voltage - Supply (Vcc/Vdd)	3V ~ 20V	Operating Temperature	-40°C ~ 85°C (TA)
Topology	Buck	Number of Outputs	2
Synchronous Rectifier	Yes	Mounting Type	Surface Mount
Supplier Device Package	32-LFCSP-WQ (5x5)	Function	Step-Down
Series	-	Frequency - Switching	300kHz, 600kHz
Serial Interfaces	-	Duty Cycle (Max)	93%
Package / Case	32-WFQFN Exposed Pad, CSP	Control Features	Current Limit, Enable, Frequency Control, Power Good, Soft Start, Tracking
Package	Tape & Reel (TR)	Clock Sync	Yes
Output Type	Transistor Driver	Base Product Number	ADP1829
Output Phases	2		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. ADP1829ACPZ-R7

Product Attribute				
Part Number	ADP1829ACPZ-R7	<a href="#">ADP1853ACPZ-R7</a>	<a href="#">ADP1821ARQZ-R7</a>	<a href="#">ADP1864AUJZ-R7</a>
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Serial Interfaces	-	-	-	-
Base Product Number	ADP1829	ADP1853	ADP1821	ADP1864
Frequency - Switching	300kHz, 600kHz	200kHz ~ 1.5MHz	310kHz, 570kHz	580kHz
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TJ)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TJ)
Topology	Buck	Buck	Buck	Buck
Clock Sync	Yes	Yes	Yes	No
Synchronous Rectifier	Yes	Yes	Yes	No
Package / Case	32-WFQFN Exposed Pad, CSP	20-WFQFN Exposed Pad, CSP	16-SSOP (0.154", 3.90mm Width)	SOT-23-6 Thin, TSOT-23-6
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply (Vcc/Vdd)	3V ~ 20V	2.75V ~ 20V	3.7V ~ 5.5V	3.15V ~ 14V
Supplier Device Package	32-LFCSP-WQ (5x5)	20-LFCSP (4x4)	16-QSOP	TSOT-6
Series	-	-	-	-
Duty Cycle (Max)	93%	90%	90%	100%
Number of Outputs	2	1	1	1
Output Type	Transistor Driver	Transistor Driver	Transistor Driver	Transistor Driver
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Output Configuration	Positive	Positive	Positive	Positive
Control Features	Current Limit, Enable, Frequency Control, Power Good, Soft Start, Tracking	Current Limit, Enable, Frequency Control, Power Good, Ramp, Soft Start, Tracking	Enable, Frequency Control, Power Good, Soft Start	Current Limit
Output Phases	2	1	1	1
Function	Step-Down	Step-Down	Step-Down	Step-Down

## ADP1829ACPZ-R7 Datasheet PDF

Download ADP1829ACPZ-R7 pdf datasheets and Analog Devices Inc. documentation for ADP1829ACPZ-R7 - Analog Devices Inc..

### Datasheets



### Other Related Documents

Tape and Reel Packaging.pdf

PCN Assembly/Origin

Multiple Parts 05/Jul/2022.pdf

### Customers Also Interested in

### Recommended Products



**ADP1821ARQZ**

ADI (Analog Devices, Inc.)



**ADP1828BCPZ**

ADI (Analog Devices, Inc.)



**ADP1864AUJZ**

ADI (Analog Devices, Inc.)



**ADP1853ACPZ**

ADI (Analog Devices, Inc.)



**ADP1853ACPZ-R7**

Analog Devices Inc.  
IC REG CTRLR BUCK 20LFCSP



**ADP1821ARQZ-R7**

Analog Devices Inc.  
IC REG CTRLR BUCK 16QSOP



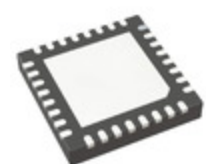
**ADP1851BCPZ**

ADI (Analog Devices, Inc.)



**ADP1864AUJZ-R7**

Analog Devices Inc.  
IC REG CTRLR BUCK TSOT23-6



**ADP1850ACPZ-R7**

Analog Devices Inc.  
IC REG CTRLR BUCK 32LFCSP



**ADP1828YRQZ-R7**

Analog Devices Inc.  
IC REG CTRLR BUCK 20QSOP



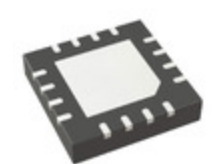
**ADP1850ACPZ**

ADI (Analog Devices, Inc.)



**ADP1828ACPZ-R7**

Analog Devices Inc.  
IC REG CTRLR BUCK 20LFCSP



**ADP1851ACPZ-R7**

Analog Devices Inc.  
IC REG CTRLR BUCK 16LFCSP



**ADP1823A**

ADI (Analog Devices, Inc.)



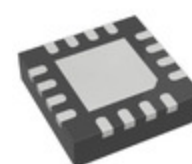
**ADP1829ACPZ**

ADI (Analog Devices, Inc.)



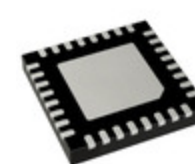
**ADP1864AUJ-R7**

ADI (Analog Devices, Inc.)



**ADP1765ACPZ-R7**

Analog Devices Inc.  
IC REG LINEAR POS ADJ 5A 16LFCSP



**ADP1823ACPZ-R7**

Analog Devices Inc.  
IC REG CTRLR BUCK 32LFCSP

### 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

Contact us if you have any questions.

- Phone: +00852 9146 4856
- Email: info@allelco.com

### Certifications & Memberships



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#### Contact us

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