

Image may be representation.  
See specifications for product details.



## AD7682BCPZRL7

Manufacturer Part Number	<b>AD7682BCPZRL7</b>
Manufacturer	<b>Analog Devices, Inc.</b>
Allelco Part Number	32D-AD7682BCPZRL7
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC ADC 16BIT SAR 20LFCSP
Package	20-WFQFN Exposed Pad, CSP
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

AD7682BCPZRL7 - Analog Devices Inc..New Original in Stock. Download Linear Technology AD7682BCPZRL7 datasheet/specifications on AllelcoElec.com.  
Request a quote for AD7682BCPZRL7, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

AD7682BCPZRL7 Tech Specifications  
AD7682BCPZRL7 - Analog Devices Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Analog Devices, Inc.	Number of Inputs	4
Voltage - Supply, Digital	2.3V ~ 5.5V	Number of Bits	16
Voltage - Supply, Analog	2.3V ~ 5.5V	Number of A/D Converters	1
Supplier Device Package	20-LFCSP (4x4)	Mounting Type	Surface Mount
Series	PulSAR®	Input Type	Differential, Pseudo-Differential, Single Ended
Sampling Rate (Per Second)	250k	Features	Temperature Sensor
Reference Type	External, Internal	Data Interface	SPI, DSP
Ratio - S/H:ADC	1:1	Configuration	MUX-S/H-ADC
Package / Case	20-WFQFN Exposed Pad, CSP	Base Product Number	AD7682
Package	Tape & Reel (TR)	Architecture	SAR
Operating Temperature	-40°C ~ 85°C		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. AD7682BCPZRL7

Product Attribute				
Part Number	AD7682BCPZRL7	<a href="#">AD7680ARMZ</a>	<a href="#">AD7683BCPZRL7</a>	<a href="#">AD7683ARMZ</a>
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Number of Inputs	4	1	1	1
Base Product Number	AD7682	AD7680	AD7683	AD7683
Supplier Device Package	20-LFCSP (4x4)	8-MSOP	8-LFCSP-WD (3x3)	8-MSOP
Sampling Rate (Per Second)	250k	100k	100k	100k
Ratio - S/H:ADC	1:1	1:1	1:1	1:1
Voltage - Supply, Analog	2.3V ~ 5.5V	2.5V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Package / Case	20-WFQFN Exposed Pad, CSP	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-VDFN Exposed Pad, CSP	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Voltage - Supply, Digital	2.3V ~ 5.5V	2.5V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Reference Type	External, Internal	Supply	External	External
Package	Tape & Reel (TR)	Tube	Tape & Reel (TR)	Tube
Architecture	SAR	SAR	SAR	SAR
Number of A/D Converters	1	1	1	1
Features	Temperature Sensor	-	-	-
Series	PulSAR®	PulSAR®	PulSAR®	PulSAR®
Configuration	MUX-S/H-ADC	S/H-ADC	S/H-ADC	S/H-ADC
Data Interface	SPI, DSP	SPI, DSP	SPI, DSP	SPI, DSP
Number of Bits	16	16	16	16
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Input Type	Differential, Pseudo-Differential, Single Ended	Single Ended	Pseudo-Differential	Pseudo-Differential

### AD7682BCPZRL7 Datasheet PDF

Download AD7682BCPZRL7 pdf datasheets and Analog Devices Inc. documentation for AD7682BCPZRL7 - Analog Devices Inc..

#### Datasheets

[Cylindrical Battery Holders.pdf](#)

#### Other Related Documents

[Tape and Reel Packaging.pdf](#)

## PCN Design/Specification



Cylindrical Battery Holders.pdf

## PCN Assembly/Origin



2.73KHz.pdf

## Customers Also Interested in

### Recommended Products



**AD7680ARMZ**

Analog Devices Inc.  
IC ADC 16BIT SAR 8MSOP



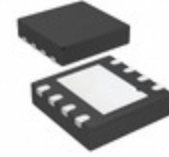
**AD7683ARMZ-REEL7**

ADI (Analog Devices, Inc.)



**AD7683ARMZ1**

ADI (Analog Devices, Inc.)



**AD7683BCPZRL7**

Analog Devices Inc.  
IC ADC 16BIT SAR 8LFCSP



**AD7683BCPZ-RL7**

ADI (Analog Devices, Inc.)



**AD767SD/883**

ADI (Analog Devices, Inc.)



**AD7683ARMZ**

Analog Devices Inc.  
IC ADC 16BIT SAR 8MSOP



**AD7680BRJZ-REEL7**

Analog Devices Inc.  
IC ADC 16BIT SAR SOT23-6



**AD7680ARM**

Analog Devices Inc.  
IC ADC 16BIT SAR 8MSOP



**AD7682BCPZ**

Analog Devices Inc.  
IC ADC 16BIT SAR 20LFCSP



**AD7683ARMZRL7**

Analog Devices Inc.  
IC ADC 16BIT SAR 8MSOP



**AD7683BRMZ**

Analog Devices Inc.  
IC ADC 16BIT SAR 8MSOP



**AD7680BRMZ-REEL7**

Analog Devices Inc.  
IC ADC 16BIT SAR 8MSOP



**AD7680ARJZ-REEL7**

Analog Devices Inc.  
IC ADC 16BIT SAR SOT23-6



**AD7683BCPZ**

ADI (Analog Devices, Inc.)



**AD767SD/883B**

Analog Devices Inc.  
IC DAC 12BIT 24CERDIP



**AD767SD**

ADI (Analog Devices, Inc.)



**AD7680BRMZ**

Analog Devices Inc.  
IC ADC 16BIT SAR 8MSOP

## 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



View More

