

Image may be representation.
See specifications for product details.



AD7682BCPZ

Manufacturer Part Number	AD7682BCPZ
Manufacturer	Analog Devices, Inc.
Allelco Part Number	32D-AD7682BCPZ
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC ADC 16BIT SAR 20LFCSP
Package	20-WFQFN Exposed Pad, CSP
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

AD7682BCPZ - Analog Devices Inc..New Original in Stock. Download Linear Technology AD7682BCPZ datasheet/specifications on AllelcoElec.com.
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Specifications

AD7682BCPZ Tech Specifications

AD7682BCPZ - 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	PuISAR®	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	Tray	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. AD7682BCPZ

Product Attribute				
Part Number	AD7682BCPZ	AD7683ARMZ	AD7680ARM	AD7683ARMZRL7
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Supplier Device Package	20-LFCSP (4x4)	8-MSOP	8-MSOP	8-MSOP
Data Interface	SPI, DSP	SPI, DSP	SPI, DSP	SPI, DSP
Number of A/D Converters	1	1	1	1
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Reference Type	External, Internal	External	Supply	External
Sampling Rate (Per Second)	250k	100k	100k	100k
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	20-WFQFN Exposed Pad, CSP	8-TSSOP, 8-MSOP (0.118', 3.00mm Width)	8-TSSOP, 8-MSOP (0.118', 3.00mm Width)	8-TSSOP, 8-MSOP (0.118', 3.00mm Width)
Voltage - Supply, Digital	2.3V ~ 5.5V	2.7V ~ 5.5V	2.5V ~ 5.5V	2.7V ~ 5.5V
Series	PuISAR®	PuISAR®	PuISAR®	PuISAR®
Package	Tray	Tube	Tube	Tape & Reel (TR)
Base Product Number	AD7682	AD7683	AD7680	AD7683
Features	Temperature Sensor	-	-	-
Voltage - Supply, Analog	2.3V ~ 5.5V	2.7V ~ 5.5V	2.5V ~ 5.5V	2.7V ~ 5.5V
Ratio - S/H:ADC	1:1	1:1	1:1	1:1
Input Type	Differential, Pseudo-Differential, Single Ended	Pseudo-Differential	Single Ended	Pseudo-Differential
Configuration	MUX-S/H-ADC	S/H-ADC	S/H-ADC	S/H-ADC
Number of Inputs	4	1	1	1
Number of Bits	16	16	16	16
Architecture	SAR	SAR	SAR	SAR

AD7682BCPZ Datasheet PDF

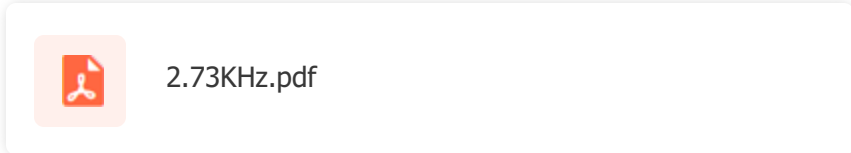
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Datasheets

[Cylindrical Battery Holders.pdf](#)

PCN Design/Specification

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Customers Also Interested in

Recommended Products

AD7683ARMZ Analog Devices Inc. IC ADC 16BIT SAR 8MSOP	AD7680ARM Analog Devices Inc. IC ADC 16BIT SAR 8MSOP	AD7683ARMZRL7 Analog Devices Inc. IC ADC 16BIT SAR 8MSOP	AD767KP Analog Devices Inc. IC DAC 12BIT V-OUT 28PLCC	AD767SD/883 ADI (Analog Devices, Inc.)	AD7683BPCZRL7 Analog Devices Inc. IC ADC 16BIT SAR 8LFCSP
AD7680ARJZ-REEL7 Analog Devices Inc. IC ADC 16BIT SAR SOT23-6	AD7683ARMZ-REEL7 ADI (Analog Devices, Inc.)	AD7680BRMZ-REEL7 Analog Devices Inc. IC ADC 16BIT SAR 8MSOP	AD7680BRMZ Analog Devices Inc. IC ADC 16BIT SAR 8MSOP	AD7680BRJZ-REEL7 Analog Devices Inc. IC ADC 16BIT SAR SOT23-6	AD7680ARMZ Analog Devices Inc. IC ADC 16BIT SAR 8MSOP
AD7683BRMZ Analog Devices Inc. IC ADC 16BIT SAR 8MSOP	AD767SD/883B Analog Devices Inc. IC DAC 12BIT 24CERDIP	AD767SD ADI (Analog Devices, Inc.)	AD7683ARMZ1 ADI (Analog Devices, Inc.)	AD7683BCPZ ADI (Analog Devices, Inc.)	AD7682BPCZRL7 Analog Devices Inc. IC ADC 16BIT SAR 20LFCSP

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.

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Certifications & Memberships



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