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See specifications for product details.



ADF7020BCPZ

Manufacturer Part Number	ADF7020BCPZ
Manufacturer	Analog Devices, Inc.
Allelco Part Number	32D-ADF7020BCPZ
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC RF TXRX ISM<1GHZ 48VFQFN
Package	48-VFQFN Exposed Pad, CSP
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

ADF7020BCPZ - Analog Devices Inc..New Original in Stock. Download Linear Technology ADF7020BCPZ datasheet/specifications on AllelcoElec.com.
Request a quote for ADF7020BCPZ, please send us email: info@allelco.com

Specifications

ADF7020BCPZ Tech Specifications

ADF7020BCPZ - Analog Devices Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Analog Devices, Inc.	Package	Tray
Voltage - Supply	2.3V ~ 3.6V	Operating Temperature	-40°C ~ 85°C
Type	TxRx Only	Mounting Type	Surface Mount
Supplier Device Package	48-LFCSP-VQ (7x7)	Modulation	ASK, FSK, GFSK, GMSK, MSK, OOK, O-QPSK
Series	-	Memory Size	-
Serial Interfaces	SPI	Frequency	431MHz ~ 478MHz, 862MHz ~ 956MHz
Sensitivity	-119.2dBm	Data Rate (Max)	200kbps
RF Family/Standard	General ISM < 1GHz	Current - Transmitting	14.8mA ~ 28.5mA
Protocol	-	Current - Receiving	19mA ~ 21mA
Power - Output	13dBm (Max)	Base Product Number	ADF7020
Package / Case	48-VFQFN Exposed Pad, CSP		

Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. ADF7020BCPZ

Product Attribute				
Part Number	ADF7020BCPZ	ADF7021-NBCPZ-RL	ADF7020BCPZ-RL	ADF7021BCPZ-RL7
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Power - Output	13dBm (Max)	13dBm	13dBm (Max)	13dBm
Current - Transmitting	14.8mA ~ 28.5mA	13.5mA ~ 32.3mA	14.8mA ~ 28.5mA	13.5mA ~ 32.3mA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tray	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Base Product Number	ADF7020	ADF7021	ADF7020	ADF7021
Voltage - Supply	2.3V ~ 3.6V	2.3V ~ 3.6V	2.3V ~ 3.6V	2.3V ~ 3.6V
Current - Receiving	19mA ~ 21mA	17.5mA ~ 26.4mA	19mA ~ 21mA	17.5mA ~ 26.4mA
Protocol	-	-	-	-
Modulation	ASK, FSK, GFSK, GMSK, MSK, OOK, O-QPSK	2FSK, 2GFSK, 3FSK, 4FSK, FHSS, GMSK, MSK	ASK, FSK, GFSK, GMSK, MSK, OOK, O-QPSK	2FSK, 2GFSK, 3FSK, 4FSK, FHSS, GMSK, MSK
Sensitivity	-119.2dBm	-130dBm	-119.2dBm	-130dBm
Supplier Device Package	48-LFCSP-VQ (7x7)	48-LFCSP (7x7)	48-LFCSP-VQ (7x7)	48-LFCSP (7x7)
RF Family/Standard	General ISM < 1GHz	General ISM < 1GHz	General ISM < 1GHz	General ISM < 1GHz
Frequency	431MHz ~ 478MHz, 862MHz ~ 956MHz	80MHz ~ 650MHz, 842MHz ~ 916MHz	431MHz ~ 478MHz, 862MHz ~ 956MHz	80MHz ~ 650MHz, 862MHz ~ 950MHz
Memory Size	-	-	-	-
Type	TxRx Only	TxRx Only	TxRx Only	TxRx Only
Serial Interfaces	SPI	SPI, UART	SPI	SPI, UART
Package / Case	48-VFQFN Exposed Pad, CSP	48-WFQFN Exposed Pad, CSP	48-VFQFN Exposed Pad, CSP	48-WFQFN Exposed Pad, CSP
Series	-	-	-	-
Data Rate (Max)	200kbps	24kbps	200kbps	32.8kbps
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C

ADF7020BCPZ Datasheet PDF

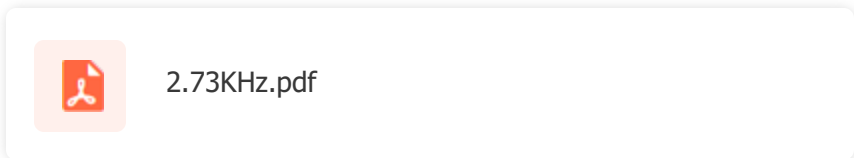
Download ADF7020BCPZ pdf datasheets and Analog Devices Inc. documentation for ADF7020BCPZ - Analog Devices Inc..

Datasheets

[Cylindrical Battery Holders.pdf](#)

Design Resources

[Low power, Long Range, ISM Wireless Measuring Node.pdf](#)



Customers Also Interested in

Recommended Products

ADF7010BRUZ-REEL7 Analog Devices Inc. IC XMITTER ASK/FSK/GFSK 24TSSOP	ADF7021-NBCPZ-RL Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VFQFN	ADF7020BCPZ-RL Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VFQFN	ADF7021BCPZ-RL7 Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VFQFN	ADF7011BRU Analog Devices Inc. IC TX ASK/FSK/GFSK HP 24-TSSOP	ADF7012BRUZ-RL7 Analog Devices Inc. RF TX IC ASK 75MHZ-1GHZ 24TSSOP
ADF7020-1BCPZ Analog Devices Inc. IC RF TXRX VHF 48VFQFN	ADF7022BCPZ Analog Devices Inc. IC RF TXRX+MCU ISM<1GHZ 32WFQFN	ADF7021BCPZ-RL Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VFQFN	ADF7021-NBCPZ-RL7 Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VFQFN	ADF7012BRUZ-RL Analog Devices Inc. RF TX IC ASK 75MHZ-1GHZ 24TSSOP	ADF7021BCPZ Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VFQFN
ADF7021-VBCPZ Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VFQFN	ADF7022BCPZ-REEL Analog Devices Inc. IC RF TXRX+MCU ISM<1GHZ 32WFQFN	ADF7020-1BCPZ-RL7 Analog Devices Inc. IC RF TXRX VHF 48VFQFN	ADF7021-NBCPZ Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VFQFN	ADF7012BRUZ ADI (Analog Devices, Inc.) IC XMITTER ASK/FSK/GFSK 24TSSOP	ADF7010BRUZ Analog Devices Inc. IC XMITTER ASK/FSK/GFSK 24TSSOP

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 -

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Contact us if you have any questions.

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