

Image may be representation.  
See specifications for product details.



## ADF7021BCPZ-RL

Manufacturer Part Number	<b>ADF7021BCPZ-RL</b>
Manufacturer	<b>Analog Devices, Inc.</b>
Allelco Part Number	32D-ADF7021BCPZ-RL
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC RF TXRX ISM<1GHZ 48VQFN
Package	48-WFQFN Exposed Pad, CSP
Data sheet	<b>ADF7021.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

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ADF7021BCPZ-RL - Analog Devices Inc..New Original in Stock. Download Linear Technology ADF7021BCPZ-RL datasheet/specifications on AllelcoElec.com.  
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## Specifications

ADF7021BCPZ-RL Tech Specifications

ADF7021BCPZ-RL - Analog Devices Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Analog Devices, Inc.	Package	Tape & Reel (TR)
Voltage - Supply	2.3V ~ 3.6V	Operating Temperature	-40°C ~ 85°C
Type	TxRx Only	Mounting Type	Surface Mount
Supplier Device Package	48-LFCSP (7x7)	Modulation	2FSK, 2GFSK, 3FSK, 4FSK, FHSS, GMSK, MSK
Series	-	Memory Size	-
Serial Interfaces	SPI, UART	Frequency	80MHz ~ 650MHz, 862MHz ~ 950MHz
Sensitivity	-130dBm	Data Rate (Max)	32.8kbps
RF Family/Standard	General ISM < 1GHz	Current - Transmitting	13.5mA ~ 32.3mA
Protocol	-	Current - Receiving	17.5mA ~ 26.4mA
Power - Output	13dBm	Base Product Number	ADF7021
Package / Case	48-WFQFN Exposed Pad, CSP		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. ADF7021BCPZ-RL

Product Attribute				
Part Number	ADF7021BCPZ-RL	ADF7022BCPZ-REEL	ADF7023BCPZ	ADF7021BCPZ
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Current - Receiving	17.5mA ~ 26.4mA	11.9mA ~ 12.8mA	12.8mA	17.5mA ~ 26.4mA
Sensitivity	-130dBm	-108.5dBm	-116dBm	-130dBm
Type	TxRx Only	TxRx + MCU	TxRx + MCU	TxRx Only
Series	-	-	-	-
RF Family/Standard	General ISM < 1GHz	General ISM < 1GHz	General ISM < 1GHz	General ISM < 1GHz
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Data Rate (Max)	32.8kbps	38.4kbps	300kbps	32.8kbps
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Power - Output	13dBm	13.5dBm	13.5dBm	13dBm
Serial Interfaces	SPI, UART	SPI	SPI	SPI, UART
Package / Case	48-WFQFN Exposed Pad, CSP	32-WFQFN Exposed Pad, CSP	32-WFQFN Exposed Pad, CSP	48-WFQFN Exposed Pad, CSP
Modulation	2FSK, 2GFSK, 3FSK, 4FSK, FHSS, GMSK, MSK	FSK	2FSK, GFSK, GMSK, MSK, OOK	2FSK, 2GFSK, 3FSK, 4FSK, FHSS, GMSK, MSK
Voltage - Supply	2.3V ~ 3.6V	1.8V ~ 3.6V	2.2V ~ 3.6V	2.3V ~ 3.6V
Base Product Number	ADF7021	ADF7022	ADF7023	ADF7021
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tray	Tray
Supplier Device Package	48-LFCSP (7x7)	32-LFCSP (5x5)	32-LFCSP (5x5)	48-LFCSP (7x7)
Current - Transmitting	13.5mA ~ 32.3mA	24.1mA	8.7mA ~ 32.1mA	13.5mA ~ 32.3mA
Protocol	-	-	-	-
Frequency	80MHz ~ 650MHz, 862MHz ~ 950MHz	868MHz	431MHz ~ 464MHz, 862MHz ~ 928MHz	80MHz ~ 650MHz, 862MHz ~ 950MHz
Memory Size	-	4kB ROM, 2.5kB RAM	4kB ROM, 2.5kB RAM	-

## ADF7021BCPZ-RL Datasheet PDF

Download ADF7021BCPZ-RL pdf datasheets and Analog Devices Inc. documentation for ADF7021BCPZ-RL - Analog Devices Inc..

### Datasheets



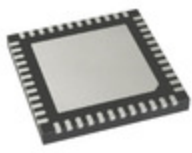

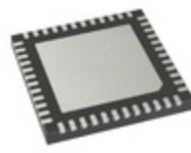

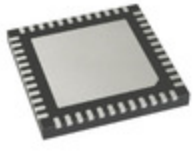



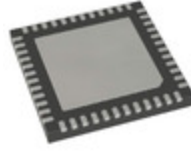


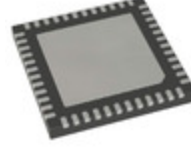
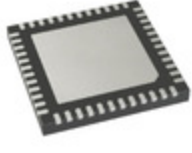
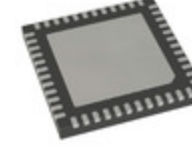

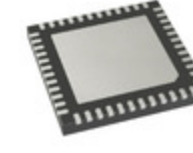
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### Other Related Documents

[A Selected History on Receiver Innovations over th.pdf](#)

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### Recommended Products

 <b>ADF7022BCPZ-REEL</b> Analog Devices Inc. IC RF TXRX+MCU ISM<1GHZ 32WVQFN	 <b>ADF7023BCPZ</b> Analog Devices Inc. IC RF TXRX+MCU ISM<1GHZ 32WVQFN	 <b>ADF7021BCPZ</b> Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VQFN	 <b>ADF7024BCPZ</b> Analog Devices Inc. IC RF TXRX+MCU ISM<1GHZ 32WVQFN	 <b>ADF7021-NBCPZ-RL</b> Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VQFN	 <b>ADF7020BCP</b> ADI (Analog Devices, Inc.)
 <b>ADF7021BCPZ-RL7</b> Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VQFN	 <b>ADF7023BCPZ-RL</b> Analog Devices Inc. IC RF TXRX+MCU ISM<1GHZ 32WVQFN	 <b>ADF7023-JBCPZ</b> Analog Devices Inc. IC RF TXRX+MCU ISM<1GHZ 32WVQFN	 <b>ADF7022BCPZ</b> Analog Devices Inc. IC RF TXRX+MCU ISM<1GHZ 32WVQFN	 <b>ADF7020BCPZ-RL</b> Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VQFN	 <b>ADF7025BCP</b> ADI (Analog Devices, Inc.)
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## 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

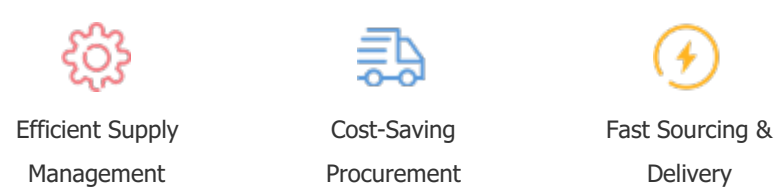
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### 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 -



Contact us if you have any questions.



### Certifications & Memberships



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