

Image may be representation.
See specifications for product details.



ADF7020-1BCPZ

| | |
|--------------------------|----------------------------------|
| Manufacturer Part Number | ADF7020-1BCPZ |
| Manufacturer | Analog Devices, Inc. |
| Allelco Part Number | 32D-ADF7020-1BCPZ |
| ECAD Model | PCB Symbol, Footprint & 3D Model |
| Parts Description | IC RF TXRX VHF 48VFQFN |
| Package | 48-VFQFN Exposed Pad, CSP |
| Data sheet | ADF7020-1.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

ADF7020-1BCPZ - Analog Devices Inc..New Original in Stock. Download Linear Technology ADF7020-1BCPZ datasheet/specifications on AllelcoElec.com.
Request a quote for ADF7020-1BCPZ, please send us email: info@allelco.com

Specifications

ADF7020-1BCPZ Tech Specifications

ADF7020-1BCPZ - 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, GOOK, OOK |
| Series | - | Memory Size | - |
| Serial Interfaces | SPI | Frequency | 80MHz ~ 650MHz |
| Sensitivity | -119.2dBm | Data Rate (Max) | 200kbps |
| RF Family/Standard | VHF | Current - Transmitting | 13mA ~ 21mA |
| Protocol | FM Radio | Current - Receiving | 17.6mA ~ 20.1mA |
| 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. ADF7020-1BCPZ

| Product Attribute | | | | |
|-------------------------|---------------------------|-----------------------------------|--|--|
| Part Number | ADF7020-1BCPZ | ADF7020-1BCPZ-RL7 | ADF7021-NBCPZ | ADF7021BCPZ |
| Manufacturer | Analog Devices Inc. | Analog Devices Inc. | Analog Devices Inc. | Analog Devices Inc. |
| Serial Interfaces | SPI | SPI | SPI, UART | SPI, UART |
| RF Family/Standard | VHF | VHF | General ISM < 1GHz | General ISM < 1GHz |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Voltage - Supply | 2.3V ~ 3.6V | 2.3V ~ 3.6V | 2.3V ~ 3.6V | 2.3V ~ 3.6V |
| Current - Receiving | 17.6mA ~ 20.1mA | 17.6mA ~ 20.1mA | 17.5mA ~ 26.4mA | 17.5mA ~ 26.4mA |
| Operating Temperature | -40°C ~ 85°C | -40°C ~ 85°C | -40°C ~ 85°C | -40°C ~ 85°C |
| Current - Transmitting | 13mA ~ 21mA | 13mA ~ 21mA | 13.5mA ~ 32.3mA | 13.5mA ~ 32.3mA |
| Modulation | ASK, FSK, GFSK, GOOK, OOK | ASK, FSK, GFSK, GOOK, OOK | 2FSK, 2GFSK, 3FSK, 4FSK, FHSS, GMSK, MSK | 2FSK, 2GFSK, 3FSK, 4FSK, FHSS, GMSK, MSK |
| Protocol | FM Radio | FM Radio | - | - |
| Memory Size | - | - | - | - |
| Type | TxRx Only | TxRx Only | TxRx Only | TxRx Only |
| Frequency | 80MHz ~ 650MHz | 80MHz ~ 650MHz | 80MHz ~ 650MHz, 842MHz ~ 916MHz | 80MHz ~ 650MHz, 862MHz ~ 950MHz |
| Power - Output | 13dBm (Max) | 13dBm (Max) | 13dBm | 13dBm |
| Package | Tray | Tape & Reel (TR) | Tray | Tray |
| Data Rate (Max) | 200kbps | 200kbps | 24kbps | 32.8kbps |
| Supplier Device Package | 48-LFCSP-VQ (7x7) | 48-LFCSP-VQ (7x7) | 48-LFCSP (7x7) | 48-LFCSP (7x7) |
| Series | - | - | - | - |
| Package / Case | 48-VFQFN Exposed Pad, CSP | 48-VFQFN Exposed Pad, CSP | 48-WFQFN Exposed Pad, CSP | 48-WFQFN Exposed Pad, CSP |
| Sensitivity | -119.2dBm | -119.2dBm | -130dBm | -130dBm |
| Base Product Number | ADF7020 | ADF7020 | ADF7021 | ADF7021 |

ADF7020-1BCPZ Datasheet PDF

Download ADF7020-1BCPZ pdf datasheets and Analog Devices Inc. documentation for ADF7020-1BCPZ - Analog Devices Inc..

Datasheets


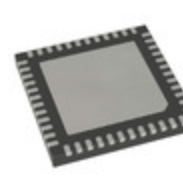
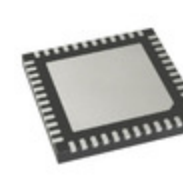

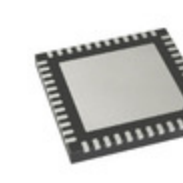


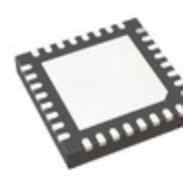
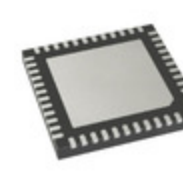
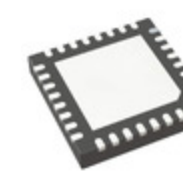
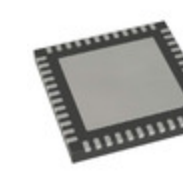



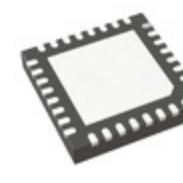


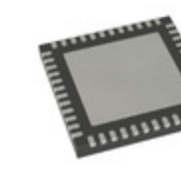
[ADF7020-1.pdf](#)

Design Resources

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

Customers Also Interested in

Recommended Products

| | | | | | |
|---|---|---|--|---|---|
|  |  |  |  |  |  |
| ADF7012BRUZ-RL Analog Devices Inc. RF TX IC ASK 75MHZ-1GHZ 24TSSOP | ADF7020-1BCPZ-RL7 Analog Devices Inc. IC RF TXRX VHF 48VQFN | ADF7021-NBCPZ Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VQFN | ADF7012BRUZ-RL7 Analog Devices Inc. RF TX IC ASK 75MHZ-1GHZ 24TSSOP | ADF7021BCPZ Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VQFN | ADF7011BRU Analog Devices Inc. IC TX ASK/FSK/GFSK HP 24-TSSOP |
|  |  |  |  |  |  |
| ADF7021-NBCPZ-RL7 Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VQFN | ADF5904WCCPZ-RL7 Analog Devices Inc. IC 4 CHANNEL MMIC 24GHZ | ADF7021BCPZ-RL Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VQFN | ADF5904WCCPZ Analog Devices Inc. IC 4 CHANNEL MMIC 24GHZ | ADF7020BCPZ-RL Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VQFN | ADF7012BRUZ ADI (Analog Devices, Inc.) IC XMITTER ASK/FSK/GFSK 24TSSOP |
|  |  |  |  |  |  |
| ADF7010BRUZ Analog Devices Inc. IC XMITTER ASK/FSK/GFSK 24TSSOP | ADF7021-NBCPZ-RL Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VQFN | ADF5904ACPZ-RL7 Analog Devices Inc. 24GHZ 4 CHANNEL RX NON-IQ MMIC | ADF7021-VBCPZ Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VQFN | ADF7010BRUZ-REEL7 Analog Devices Inc. IC XMITTER ASK/FSK/GFSK 24TSSOP | ADF7020BCPZ Analog Devices Inc. IC RF TXRX ISM<1GHZ 48VQFN |

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.

| | |
|---|---|
|  |  |
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Certifications & Memberships



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