



## **ADF7024BCPZ Information**



For Reference Only

Part Number ADF7024BCPZ

Manufacturer Analog Devices Inc.

Category RF/IF and RFID

RF Transceiver ICs

**Description** IC RF TXRX+MCU ISM<1GHZ 32-WFQFN

Package 32-WFQFN Exposed Pad, CSP

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



Request a Quote

# **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









# **ADF7024BCPZ Specifications**

Manufacturer         ADF7024BCPZ           Manufacturer         Analog Devices Inc.           Category         RF/IF and RFID           RF Transceiver ICs           Package         32-WFQFN Exposed Pad, CSP           Series         -           Type         TxRx + MCU           RF Family/Standard         General ISM < 1GHz           Protocol         -           Modulation         FHSS, FSK, GFSK           Frequency         431MHz ~ 435MHz, 862MHz ~ 928MHz           Data Rate (Max)         300kbps           Power - Output         13.5dBm           Sensitivity         -111dBm           Memory Size         240B RAM           Serial Interfaces         SPI           GPIO         6           Voltage - Supply         2.2 V ~ 3.6 V           Current - Receiving         12.8mA           Current - Transmitting         8.7mA ~ 32.1mA           Operating Temperature         40°C ~ 85°C           Package / Case         32-WFQFN Exposed Pad, CSP			
Category         RF/IF and RFID           Reckage         32-WFQFN Exposed Pad, CSP           Series         -           Type         TxRx + MCU           RF Family/Standard         General ISM < 1GHz           Protocol         -           Modulation         FHSS, FSK, GFSK           Frequency         431MHz ~ 435MHz, 862MHz ~ 928MHz           Data Rate (Max)         300kbps           Power - Output         13.5dBm           Sensitivity         -111dBm           Memory Size         240B RAM           Serial Interfaces         SPI           GPIO         6           Voltage - Supply         2.2 V ~ 3.6 V           Current - Receiving         12.8mA           Current - Transmitting         8.7mA ~ 32.1mA           Operating Temperature         -40°C ~ 85°C           Package / Case         32-WFQFN Exposed Pad, CSP	Manufacturer Part Number	ADF7024BCPZ	
RF Transceiver ICs           Package         32-WFQFN Exposed Pad, CSP           Series         -           Type         TxRx + MCU           RF Family/Standard         General ISM < 1GHz	Manufacturer	Analog Devices Inc.	
Package         32-WFQFN Exposed Pad, CSP           Series         -           Type         TxRx + MCU           RF Family/Standard         General ISM < 1GHz	Category	RF/IF and RFID	
Series         -           Type         TxRx + MCU           RF Family/Standard         General ISM < 1GHz		RF Transceiver ICs	
Type TxRx + MCU  RF Family/Standard General ISM < 1GHz  Protocol -  Modulation FHSS, FSK, GFSK  Frequency 431MHz ~ 435MHz, 862MHz ~ 928MHz  Data Rate (Max) 300kbps  Power - Output 13.5dBm  Sensitivity -111dBm  Memory Size 240B RAM  Serial Interfaces SPI  GPIO 6  Voltage - Supply 2.2 V ~ 3.6 V  Current - Receiving 12.8mA  Current - Transmitting 8.7mA ~ 32.1mA  Operating Temperature -40°C ~ 85°C  Package / Case 32-WFQFN Exposed Pad, CSP	Package	32-WFQFN Exposed Pad, CSP	
RF Family/Standard       General ISM < 1GHz	Series	-	
Protocol	Type	TxRx + MCU	
ModulationFHSS, FSK, GFSKFrequency431MHz ~ 435MHz, 862MHz ~ 928MHzData Rate (Max)300kbpsPower - Output13.5dBmSensitivity-111dBmMemory Size240B RAMSerial InterfacesSPIGPIO6Voltage - Supply2.2 V ~ 3.6 VCurrent - Receiving12.8mACurrent - Transmitting8.7mA ~ 32.1mAOperating Temperature-40°C ~ 85°CPackage / Case32-WFQFN Exposed Pad, CSP	RF Family/Standard	General ISM < 1GHz	
Frequency Data Rate (Max) 300kbps  Power - Output 13.5dBm  Sensitivity -111dBm  Memory Size 240B RAM  Serial Interfaces SPI  GPIO 6 Voltage - Supply 2.2 V ~ 3.6 V  Current - Receiving 12.8mA  Current - Transmitting 8.7mA ~ 32.1mA  Operating Temperature Package / Case 32-WFQFN Exposed Pad, CSP	Protocol	-	
Data Rate (Max)  Power - Output  13.5dBm  Sensitivity  -111dBm  Memory Size  240B RAM  Serial Interfaces  SPI  GPIO  6  Voltage - Supply  2.2 V ~ 3.6 V  Current - Receiving  12.8mA  Current - Transmitting  8.7mA ~ 32.1mA  Operating Temperature  Package / Case  32-WFQFN Exposed Pad, CSP	Modulation	FHSS, FSK, GFSK	
Power - Output 13.5dBm   Sensitivity -111dBm   Memory Size 240B RAM   Serial Interfaces SPI   GPIO 6   Voltage - Supply 2.2 V ~ 3.6 V   Current - Receiving 12.8mA   Current - Transmitting 8.7mA ~ 32.1mA   Operating Temperature -40°C ~ 85°C   Package / Case 32-WFQFN Exposed Pad, CSP	Frequency	431MHz ~ 435MHz, 862MHz ~ 928MHz	
Sensitivity -111dBm  Memory Size 240B RAM  Serial Interfaces SPI  GPIO 6  Voltage - Supply 2.2 V ~ 3.6 V  Current - Receiving 12.8mA  Current - Transmitting 8.7mA ~ 32.1mA  Operating Temperature -40°C ~ 85°C  Package / Case 32-WFQFN Exposed Pad, CSP	Data Rate (Max)	300kbps	
Memory Size240B RAMSerial InterfacesSPIGPIO6Voltage - Supply2.2 V ~ 3.6 VCurrent - Receiving12.8mACurrent - Transmitting8.7mA ~ 32.1mAOperating Temperature-40°C ~ 85°CPackage / Case32-WFQFN Exposed Pad, CSP	Power - Output	13.5dBm	
Serial InterfacesSPIGPIO6Voltage - Supply $2.2 \text{ V} \sim 3.6 \text{ V}$ Current - Receiving $12.8\text{mA}$ Current - Transmitting $8.7\text{mA} \sim 32.1\text{mA}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $32\text{-WFQFN Exposed Pad, CSP}$	Sensitivity	-111dBm	
GPIO 6 Voltage - Supply 2.2 V $\sim$ 3.6 V Current - Receiving 12.8mA Current - Transmitting 8.7mA $\sim$ 32.1mA Operating Temperature -40°C $\sim$ 85°C Package / Case 32-WFQFN Exposed Pad, CSP	Memory Size	240B RAM	
Voltage - Supply $2.2 \text{ V} \sim 3.6 \text{ V}$ Current - Receiving $12.8 \text{mA}$ Current - Transmitting $8.7 \text{mA} \sim 32.1 \text{mA}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $32\text{-WFQFN Exposed Pad, CSP}$	Serial Interfaces	SPI	
Current - Receiving  12.8mA  Current - Transmitting  8.7mA ~ 32.1mA  Operating Temperature  -40°C ~ 85°C  Package / Case  32-WFQFN Exposed Pad, CSP	GPIO	6	
Current - Transmitting $8.7 \text{mA} \sim 32.1 \text{mA}$ Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case $32\text{-WFQFN Exposed Pad, CSP}$	Voltage - Supply	2.2 V ~ 3.6 V	
Operating Temperature -40°C ~ 85°C Package / Case 32-WFQFN Exposed Pad, CSP	Current - Receiving	12.8mA	
Package / Case 32-WFQFN Exposed Pad, CSP	Current - Transmitting	8.7mA ~ 32.1mA	
	Operating Temperature	-40°C ∼ 85°C	
Report errors?	Package / Case	32-WFQFN Exposed Pad, CSP	
		Report	errors?

### **ADF7024BCPZ Guarantees**



#### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## **ADF7024BCPZ Payment Methods**





















## **ADF7024BCPZ Shipping Methods**













If you have any question about ADF7024BCPZ, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com