

Image may be representation.  
See specifications for product details.



## AT86RF215-ZUR

Manufacturer Part Number	<a href="#">AT86RF215-ZUR</a>
Manufacturer	<a href="#">Microchip Technology</a>
Allelco Part Number	32D-AT86RF215-ZUR
ECAD Model	<a href="#">Request Free CAD Models</a>
Parts Description	IC RF TXRX 802.15.4 48VFQFN
Package	48-VFQFN Exposed Pad
Data sheet	<a href="#">AT86RF215 Device Family.pdf</a>
	<a href="#">AT86RF215 Brochure.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

AT86RF215-ZUR - Microchip Technology.New Original in Stock. Download Linear Technology AT86RF215-ZUR datasheet/specifications on AllelcoElec.com.  
Request a quote for AT86RF215-ZUR, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

AT86RF215-ZUR Tech Specifications

AT86RF215-ZUR - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package	Tape & Reel (TR)
Voltage - Supply	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C
Type	TxRx Only	Mounting Type	Surface Mount
Supplier Device Package	48-QFN (7x7)	Modulation	FSK, OFDM, O-QPSK
Series	-	Memory Size	-
Serial Interfaces	SPI	Frequency	389.5MHz ~ 510MHz, 779MHz ~ 1.02GHz, 2.4GHz
Sensitivity	-123dBm	Data Rate (Max)	2.4Mbps
RF Family/Standard	802.15.4, General ISM < 1GHz	Current - Transmitting	62mA ~ 64mA
Protocol	-	Current - Receiving	5mA ~ 33mA
Power - Output	16dBm	Base Product Number	AT86RF215
Package / Case	48-VFQFN Exposed Pad		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology AT86RF215-ZUR

Product Attribute				
Part Number	AT86RF215-ZUR	<a href="#">AT86RF212-ZUR</a>	<a href="#">AT86RF230-ZU</a>	<a href="#">AT86RF233-ZU</a>
Manufacturer	Microchip Technology	Microchip Technology	Atmel	Microchip Technology
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Data Rate (Max)	2.4Mbps	1Mbps	250kbps	2Mbps
Serial Interfaces	SPI	SPI	SPI	SPI
Base Product Number	AT86RF215	-	-	AT86RF233
Modulation	FSK, OFDM, O-QPSK	DSSS, BPSK, O-QPSK	O-QPSK	O-QPSK
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tray	Tray
Memory Size	-	128B SRAM	128B SRAM	128B SRAM
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Frequency	389.5MHz ~ 510MHz, 779MHz ~ 1.02GHz, 2.4GHz	769MHz ~ 935MHz	2.4GHz	2.4GHz
Package / Case	48-VFQFN Exposed Pad	32-VFQFN Exposed Pad	32-VFQFN Exposed Pad	32-VFQFN Exposed Pad
Voltage - Supply	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Sensitivity	-123dBm	-110dBm	-101dBm	-101dBm
Supplier Device Package	48-QFN (7x7)	32-QFN (5x5)	32-QFN (5x5)	32-QFN (5x5)
Protocol	-	6LoWPAN, Zigbee®	6LoWPAN, WirelessHART™, Zigbee®	6LoWPAN, Zigbee®
Series	-	-	-	-
Type	TxRx Only	TxRx + MCU	TxRx + MCU	TxRx + MCU
RF Family/Standard	802.15.4, General ISM < 1GHz	802.15.4, General ISM < 1GHz	802.15.4, General ISM > 1GHz	802.15.4, General ISM > 1GHz
Current - Receiving	5mA ~ 33mA	8.7mA ~ 9.2mA	15.5mA	11.3mA ~ 11.8mA
Power - Output	16dBm	10dBm	3dBm	4dBm
Current - Transmitting	62mA ~ 64mA	13mA ~ 25mA	9.5mA ~ 16.5mA	7.2mA ~ 13.8mA

## AT86RF215-ZUR Datasheet PDF

Download AT86RF215-ZUR pdf datasheets and Microchip Technology documentation for AT86RF215-ZUR - Microchip Technology.

### Datasheets

[AT86RF215 Device Family.pdf](#)

[AT86RF215 Brochure.pdf](#)

### PCN Packaging

[Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf](#)

[Boxes 07/Dec/2016.pdf](#)

## PCN Design/Specification

 Marking Chgs 11/Jul/2017.pdf



















 Design Change 03/Jul/2015.pdf

## PCN Assembly/Origin

 Assembly Site 07/Dec/2021.pdf

## Customers Also Interested in

### Recommended Products

					
<b>AT86RF212-ZUR</b>	<b>AT86RF230-ZU</b>	<b>AT86RF233-ZU</b>	<b>AT86RF230-ZUR</b>	<b>AT86RF212B-ZUR</b>	<b>AT86RF231-ZFR</b>
Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN	Atmel 2.4GHZ TRANSCEIVER FOR ZIGBEE	Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN	Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN	Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN	Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN
					
<b>AT86RF211SAHW</b>	<b>AT86RF230-ZU</b>	<b>AT86RF230</b>	<b>AT86RF212B-ZU</b>	<b>AT86RF215-ZU</b>	<b>AT86RF215M-ZUR</b>
Atmel (Microchip Technology)	Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN	Atmel (Microchip Technology)	Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN	Atmel (Microchip Technology)	Microchip Technology IC RF TXRX ISM<1GHZ 48VQFN
					
<b>AT86RF231-ZU</b>	<b>AT86RF233-ZUR</b>	<b>AT86RF215-ZU</b>	<b>AT86RF232-ZX</b>	<b>AT86RF215-ZU</b>	<b>AT86RF212-ZU</b>
Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN	Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN	Atmel AT86RF2 - WIRELESS TRANSCEIVER	Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN	Microchip Technology IC RF TXRX 802.15.4 48VQFN	Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN

## 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.

 Phone  
+00852 9146 4856

 Email  
info@allelco.com

### Certifications & Memberships



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