



Image may be representation.
See specifications for product details.



AT86RF215-ZU

Manufacturer Part Number	AT86RF215-ZU
Manufacturer	Microchip Technology
Allelco Part Number	32D-AT86RF215-ZU
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC RF TXRX 802.15.4 48VFQFN
Package	48-VFQFN Exposed Pad
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

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

Specifications

AT86RF215-ZU Tech Specifications

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

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package	Tray
Voltage - Supply	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C
Type	TxRx Only	Mounting Type	Surface Mount
Supplier Device Package	48-VQFN (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-ZU

Product Attribute				
Part Number	AT86RF215-ZU	AT86RF212-ZUR	AT86RF212-ZU	AT86RF215-ZUR
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Current - Transmitting	62mA ~ 64mA	13mA ~ 25mA	13mA ~ 25mA	62mA ~ 64mA
Voltage - Supply	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Frequency	389.5MHz ~ 510MHz, 779MHz ~ 1.02GHz, 2.4GHz	769MHz ~ 935MHz	769MHz ~ 935MHz	389.5MHz ~ 510MHz, 779MHz ~ 1.02GHz, 2.4GHz
Protocol	-	6LoWPAN, Zigbee®	6LoWPAN, Zigbee®	-
Power - Output	16dBm	10dBm	10dBm	16dBm
Current - Receiving	5mA ~ 33mA	8.7mA ~ 9.2mA	8.7mA ~ 9.2mA	5mA ~ 33mA
Serial Interfaces	SPI	SPI	SPI	SPI
Modulation	FSK, OFDM, O-QPSK	DSSS, BPSK, O-QPSK	DSSS, BPSK, O-QPSK	FSK, OFDM, O-QPSK
Supplier Device Package	48-VQFN (7x7)	32-QFN (5x5)	32-QFN (5x5)	48-QFN (7x7)
Data Rate (Max)	2.4Mbps	1Mbps	1Mbps	2.4Mbps
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Memory Size	-	128B SRAM	128B SRAM	-
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
Type	TxRx Only	TxRx + MCU	TxRx + MCU	TxRx Only
Sensitivity	-123dBm	-110dBm	-110dBm	-123dBm
Package / Case	48-VFQFN Exposed Pad	32-VFQFN Exposed Pad	32-VFQFN Exposed Pad	48-VFQFN Exposed Pad
Package	Tray	Tape & Reel (TR)	Tray	Tape & Reel (TR)
Series	-	-	-	-
Base Product Number	AT86RF215	-	-	AT86RF215

AT86RF215-ZU Datasheet PDF

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

Datasheets

[Cylindrical Battery Holders.pdf](#)

PCN Packaging

[MBB/Label Chgs 16/Nov/2018.pdf](#)

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

PCN Design/Specification



Marking Chgs 11/Jul/2017.pdf



Design Change 03/Jul/2015.pdf

PCN Assembly/Origin



2.73KHz.pdf

Customers Also Interested in

Recommended Products

AT86RF212-ZUR Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN	AT86RF212-ZU Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN	AT86FR215-ZU Atmel (Microchip Technology)	AT86RF215-ZUR Microchip Technology IC RF TXRX 802.15.4 48VQFN	AT86RF230-ZU Atmel 2.4GHZ TRANSCEIVER FOR ZIGBEE	AT86RF231-ZFR Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN
AT86RF230-ZUR Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN	AT86RF212B-ZU Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN	AT86BF211SW NO PICTURE	AT86RF212B-ZUR Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN	AT86RF233-ZU Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN	AT86RF230-ZU Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN
AT86RF232-ZX Microchip Technology IC RF TXRX+MCU 802.15.4 32VQFN	AT86RF215M-ZUR Microchip Technology IC RF TXRX ISM<1GHZ 48VQFN	AT86RF211SAHW Atmel (Microchip Technology)	AT86RF215-ZU Atmel AT86RF2 - WIRELESS TRANSCEIVER	AT86RF230 Atmel (Microchip Technology)	AT86RF231-ZU 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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