

AT86RF231-ZFR

AT86RF231-ZFR Information

For Reference Only	Category	Microchip Technology RF/IF and RFID RF Transceiver ICs	
	Description	IC RF TXRX+MCU 802.15.4 32-VFQFN	
	Package	32-VFQFN Exposed Pad	
		For the pricing/inventory/lead time, please contact us	
		Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

Certified Quality

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AT86RF231-ZFR Specifications

ManufacturerMicrochin TechnologyManufacturerMicrochin TechnologyCategoryRF/IF and RFIDPackage 32 -VFQFN Exposed PadPackage 32 -VFQFN Exposed PadSeries-TypeTxRx + MCURF Family/Standard802.15.4, General ISM > 1GHzProtocol6LoWPAN, WirelessHART?, Zigbee?ModulationO-QPSKPrequency2.4GHzData Rate (Max)2MbpsPower - Output3dBmSensitivity-101dBmMemory SizeSPIGPIO-Voltage - Supply1.8 V ~ 3.6 VCurrent - Fransmitting7.4mA ~ 14mAOperating Temperature 40° C ~ 125°CPackage / Case32-VFQFN Exposed Pad		
Category RF/I an RFID RF Transceiver ICs Package 32-VFQFN Exposed Pad Series - Type TxRx + MCU RF Family/Standard 802.15.4, General ISM > IGHz Protocol 6LoWPAN, WirelessHART?, Zigbee? Modulation O-QPSK Prequency 2.4GHz Data Rate (Max) 2Mbps Power - Output 3dBm Seriai Interfaces SPI GPIO - Voltage - Supply 1.8 V ~ 3.6 V Current - Receiving 10.3mA ~ 12.3mA Current - Transmitting 7.4mA ~ 14mA Operating Temperature 40°C ~ 125°C Package / Case 32-VFQFN Exposed Pad	Manufacturer Part Number	AT86RF231-ZFR
RF Transceiver ICsPackage 32 -VFQFN Exposed PadSeries-TypeTxRx + MCURF Family/Standard $802.15.4$, General ISM > IGHzProtocol $6LoWPAN$, WirelessHART?, Zigbee?ModulationO-QPSKPrequency 2.4 GHzData Rate (Max)2MbpsPower - Output $3dBm$ Sensitivity-101dBmMemory SizeSPIGPIO-Voltage - Supply1.8 V ~ 3.6 VCurrent - Receiving $7.4mA ~ 12.3mA$ Operating Temperature $40^{\circ}C ~ 125^{\circ}C$ Package / Case $32-VFQFN$ Exposed Pad	Manufacturer	Microchip Technology
Package32-VFQFN Exposed PadSeries-TypeTxRx + MCURF Family/Standard802.15.4, General ISM > 1GHzProtocol6LoWPAN, WirelessHART?, Zigbee?ModulationO-QPSKFrequency2.4GHzData Rate (Max)2MbpsPower - Output3dBmSensitivity-101dBmMemory SizeSPIGPIO-Voltage - Supply1.8 V ~ 3.6 VCurrent - Receiving7.4mA ~ 14mAOperating Temperature40°C ~ 125°CPackage / Case32-VFQFN Exposed Pad	Category	RF/IF and RFID
Series-TypeTxRx + MCURF Family/Standard802.15.4, General ISM > 1GHzProtocol6LoWPAN, WirelessHART?, Zigbee?ModulationO-QPSKFrequency2.4GHzData Rate (Max)2MbpsPower - Output3dBmSensitivity-101dBmMemory Size128B SRAMSerial InterfacesSPIGPIO-Voltage - Supply1.8 V ~ 3.6 VCurrent - Receiving7.4mA ~ 14mAOperating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed Pad		RF Transceiver ICs
Type TxRx + MCU RF Family/Standard 802.15.4, General ISM > 1GHz Protocol 6LoWPAN, WirelessHART?, Zigbee? Modulation O-QPSK Frequency 2.4GHz Data Rate (Max) 2Mbps Power - Output 3dBm Sensitivity -101dBm Memory Size SPI GPIO - Voltage - Supply 1.8 V ~ 3.6 V Current - Receiving 10.3mA ~ 12.3mA Operating Temperature -40°C ~ 125°C Package / Case 32-VFQFN Exposed Pad	Package	32-VFQFN Exposed Pad
ARF Family/Standard $802.15.4$, General ISM > 1GHzProtocol $6LoWPAN$, WirelessHART?, Zigbee?Modulation $O-QPSK$ Frequency 2.4 GHzData Rate (Max) $2Mbps$ Power - Output $3dBm$ Sensitivity $-101dBm$ Memory Size $128B$ SRAMSerial InterfacesSPIGPIO $-$ Voltage - Supply 1.8 V ~ 3.6 VCurrent - Receiving $10.3mA ~ 12.3mA$ Current - Transmitting $7.4mA ~ 14mA$ Operating Temperature 40° C ~ 125° CPackage / Case $32-VFQFN$ Exposed Pad	Series	-
Protocol 6LoWPAN, WirelessHART?, Zigbee? Modulation O-QPSK Frequency 2.4GHz Data Rate (Max) 2Mbps Power - Output 3dBm Sensitivity -101dBm Memory Size 128B SRAM Serial Interfaces SPI GPIO - Voltage - Supply 1.8 V ~ 3.6 V Current - Receiving 10.3mA ~ 12.3mA Current - Transmitting -40°C ~ 125°C Package / Case 32-VFQFN Exposed Pad	Туре	TxRx + MCU
Modulation O-QPSK Frequency 2.4GHz Data Rate (Max) 2Mbps Power - Output 3dBm Sensitivity -101dBm Memory Size 128B SRAM Serial Interfaces SPI Ofloge - Supply -88 V ~ 3.6 V Current - Receiving 1.8 V ~ 3.6 V Current - Transmitting 7.4mA ~ 14mA Operating Temperature 40°C ~ 125°C Package / Case 32-VFQFN Exposed Pad	RF Family/Standard	802.15.4, General ISM > 1GHz
Frequency2.4GHzData Rate (Max)2MbpsPower - Output3dBmSensitivity-101dBmMemory Size128B SRAMSerial InterfacesSPIGPIO-Voltage - Supply1.8 V ~ 3.6 VCurrent - Receiving10.3mA ~ 12.3mACurrent - Transmitting7.4mA ~ 14mAOperating Temperature40°C ~ 125°CPackage / Case32-VFQFN Exposed Pad	Protocol	6LoWPAN, WirelessHART?, Zigbee?
Para Rate (Max)2MbpsPower - Output3dBmSensitivity-101dBmMemory Size128B SRAMSerial InterfacesSPIGPIO-Voltage - Supply1.8 V ~ 3.6 VCurrent - Receiving10.3mA ~ 12.3mACurrent - Transmitting7.4mA ~ 14mAOperating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed Pad	Modulation	O-QPSK
Power - Output3dBmSensitivity-101dBmMemory Size128B SRAMSerial InterfacesSPIGPIO-Voltage - Supply1.8 V ~ 3.6 VCurrent - Receiving10.3mA ~ 12.3mACurrent - Transmitting7.4mA ~ 14mAOperating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed Pad	Frequency	2.4GHz
Sensitivity-101dBmMemory Size128B SRAMSerial InterfacesSPIGPIO-Voltage - Supply1.8 V ~ 3.6 VCurrent - Receiving10.3mA ~ 12.3mACurrent - Transmitting7.4mA ~ 14mAOperating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed Pad	Data Rate (Max)	2Mbps
Memory Size128B SRAMSerial InterfacesSPIGPIO-Voltage - Supply1.8 V ~ 3.6 VCurrent - Receiving10.3mA ~ 12.3mACurrent - Transmitting7.4mA ~ 14mAOperating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed Pad	Power - Output	3dBm
Serial InterfacesSPIGPIO-Voltage - Supply1.8 V ~ 3.6 VCurrent - Receiving10.3mA ~ 12.3mACurrent - Transmitting7.4mA ~ 14mAOperating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed Pad	Sensitivity	-101dBm
GPIO-Voltage - Supply1.8 V ~ 3.6 VCurrent - Receiving10.3mA ~ 12.3mACurrent - Transmitting7.4mA ~ 14mAOperating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed Pad	Memory Size	128B SRAM
Voltage - Supply1.8 V ~ 3.6 VCurrent - Receiving10.3mA ~ 12.3mACurrent - Transmitting7.4mA ~ 14mAOperating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed Pad	Serial Interfaces	SPI
Current - Receiving10.3mA ~ 12.3mACurrent - Transmitting7.4mA ~ 14mAOperating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed Pad	GPIO	-
Current - Transmitting7.4mA ~ 14mAOperating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed Pad	Voltage - Supply	1.8 V ~ 3.6 V
Operating Temperature-40°C ~ 125°CPackage / Case32-VFQFN Exposed Pad	Current - Receiving	10.3mA ~ 12.3mA
Package / Case 32-VFQFN Exposed Pad	Current - Transmitting	7.4mA ~ 14mA
· · ·	Operating Temperature	-40°C ~ 125°C
Report errors?	Package / Case	32-VFQFN Exposed Pad
		Report errors?

AT86RF231-ZFR 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 BUARANTEE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

AT86RF231-ZFR Payment Methods



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