



ATA5830N-PNQW Information



For Reference Only

Part Number ATA5830N-PNQW
Manufacturer Microchip Technology
Category RF/IF and RFID
RF Transceiver ICs

Description IC RF TXRX+MCU ISM<1GHZ 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

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.









ATA5830N-PNQW Specifications

Manufacturer Part Number ATA5830N-PNQW Manufacturer Microchip Technology Category RF/IF and RFID RF Transceiver ICs Package 32-VFQFN Exposed Pad Series - Type TxRx + MCU RF Family/Standard General ISM < 1GHz Protocol - Modulation ASK, FSK Frequency 315MHz, 434MHz, 868MHz, 915MHz Data Rate (Max) 80kbps Power - Output 14.5dBm Sensitivity -121dBm Memory Size 6kB Flash, 512B EEPROM, 24kB ROM, 768B SRAM Serial Interfaces SPI GPIO - Voltage - Supply 1.9 V ~ 3.6 V Current - Receiving 9.3mA Current - Transmitting 9.1mA ~ 13.8mA Operating Temperature -40°C ~ 105°C Package / Case 32-VFQFN Exposed Pad			
Category RF/IF and RFID RF Transceiver ICs Package 32-VFQFN Exposed Pad Series - Type TxRx + MCU RF Family/Standard General ISM < 1GHz Protocol - Modulation ASK, FSK Frequency 315MHz, 434MHz, 868MHz, 915MHz Data Rate (Max) 80kbps Power - Output 14.5dBm Sensitivity -121dBm Memory Size 6kB Flash, 512B EEPROM, 24kB ROM, 768B SRAM Serial Interfaces SPI GPIO - Voltage - Supply 1.9 V ~ 3.6 V Current - Receiving 9.3mA Current - Transmitting 9.1mA ~ 13.8mA Operating Temperature -40°C ~ 105°C Package / Case 32-VFQFN Exposed Pad	Manufacturer Part Number	ATA5830N-PNQW	
RF Transceiver ICs Package 32-VFQFN Exposed Pad Series - Type TxRx + MCU RF Family/Standard General ISM < 1GHz	Manufacturer	Microchip Technology	
Package 32-VFQFN Exposed Pad 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	Package	32-VFQFN Exposed Pad	
RF Family/Standard General ISM < 1GHz Protocol - Modulation ASK, FSK Frequency 315MHz, 434MHz, 868MHz, 915MHz Data Rate (Max) 80kbps Power - Output 14.5dBm Sensitivity -121dBm Memory Size 6kB Flash, 512B EEPROM, 24kB ROM, 768B SRAM Serial Interfaces SPI GPIO - Voltage - Supply 1.9 V ~ 3.6 V Current - Receiving 9.3mA Current - Transmitting 9.1mA ~ 13.8mA Operating Temperature -40°C ~ 105°C Package / Case 32-VFQFN Exposed Pad	Series	-	
Protocol-ModulationASK, FSKFrequency315MHz, 434MHz, 868MHz, 915MHzData Rate (Max)80kbpsPower - Output14.5dBmSensitivity-121dBmMemory Size6kB Flash, 512B EEPROM, 24kB ROM, 768B SRAMSerial InterfacesSPIGPIO-Voltage - Supply1.9 V ~ 3.6 VCurrent - Receiving9.3mACurrent - Transmitting9.1mA ~ 13.8mAOperating Temperature-40°C ~ 105°CPackage / Case32-VFQFN Exposed Pad	Type	TxRx + MCU	
ModulationASK, FSKFrequency315MHz, 434MHz, 868MHz, 915MHzData Rate (Max)80kbpsPower - Output14.5dBmSensitivity-121dBmMemory Size6kB Flash, 512B EEPROM, 24kB ROM, 768B SRAMSerial InterfacesSPIGPIO-Voltage - Supply1.9 V ~ 3.6 VCurrent - Receiving9.3mACurrent - Transmitting9.1mA ~ 13.8mAOperating Temperature-40°C ~ 105°CPackage / Case32-VFQFN Exposed Pad	RF Family/Standard	General ISM < 1GHz	
Frequency 315MHz, 434MHz, 868MHz, 915MHz Data Rate (Max) 80kbps Power - Output 14.5dBm Sensitivity -121dBm Memory Size 6kB Flash, 512B EEPROM, 24kB ROM, 768B SRAM Serial Interfaces SPI GPIO - Voltage - Supply 1.9 V ~ 3.6 V Current - Receiving 9.3mA Current - Transmitting 9.1mA ~ 13.8mA Operating Temperature -40°C ~ 105°C Package / Case 32-VFQFN Exposed Pad	Protocol	-	
Data Rate (Max) Power - Output 14.5dBm Sensitivity -121dBm Memory Size 6kB Flash, 512B EEPROM, 24kB ROM, 768B SRAM Serial Interfaces SPI GPIO - Voltage - Supply 1.9 V ~ 3.6 V Current - Receiving 9.3mA Current - Transmitting 9.1mA ~ 13.8mA Operating Temperature -40°C ~ 105°C Package / Case 32-VFQFN Exposed Pad	Modulation	ASK, FSK	
Power - Output 14.5dBm Sensitivity -121dBm Memory Size 6kB Flash, 512B EEPROM, 24kB ROM, 768B SRAM Serial Interfaces SPI GPIO - Voltage - Supply 1.9 V ~ 3.6 V Current - Receiving 9.3mA Current - Transmitting 9.1mA ~ 13.8mA Operating Temperature -40°C ~ 105°C Package / Case 32-VFQFN Exposed Pad	Frequency	315MHz, 434MHz, 868MHz, 915MHz	
Sensitivity -121dBm Memory Size 6kB Flash, 512B EEPROM, 24kB ROM, 768B SRAM Serial Interfaces SPI GPIO - Voltage - Supply 1.9 V ~ 3.6 V Current - Receiving 9.3mA Current - Transmitting 9.1mA ~ 13.8mA Operating Temperature -40°C ~ 105°C Package / Case 32-VFQFN Exposed Pad	Data Rate (Max)	80kbps	
Memory Size 6kB Flash, 512B EEPROM, 24kB ROM, 768B SRAM Serial Interfaces SPI GPIO - Voltage - Supply 1.9 V ~ 3.6 V Current - Receiving 9.3mA Current - Transmitting 9.1mA ~ 13.8mA Operating Temperature -40°C ~ 105°C Package / Case 32-VFQFN Exposed Pad	Power - Output	14.5dBm	
Serial InterfacesSPIGPIO-Voltage - Supply $1.9 \text{ V} \sim 3.6 \text{ V}$ Current - Receiving 9.3mA Current - Transmitting $9.1\text{mA} \sim 13.8\text{mA}$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $32\text{-VFQFN Exposed Pad}$	Sensitivity	-121dBm	
GPIO - Voltage - Supply 1.9 V \sim 3.6 V Current - Receiving 9.3mA Current - Transmitting 9.1mA \sim 13.8mA Operating Temperature -40°C \sim 105°C Package / Case 32-VFQFN Exposed Pad	Memory Size	6kB Flash, 512B EEPROM, 24kB ROM, 768B SRAM	
Voltage - Supply $1.9 \text{ V} \sim 3.6 \text{ V}$ Current - Receiving 9.3mA Current - Transmitting $9.1 \text{mA} \sim 13.8 \text{mA}$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $32\text{-VFQFN Exposed Pad}$	Serial Interfaces	SPI	
Current - Receiving 9.3mA Current - Transmitting 9.1mA ~ 13.8mA Operating Temperature -40°C ~ 105°C Package / Case 32-VFQFN Exposed Pad	GPIO	-	
Current - Transmitting $9.1 \text{mA} \sim 13.8 \text{mA}$ Operating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ Package / Case $32\text{-VFQFN Exposed Pad}$	Voltage - Supply	1.9 V ~ 3.6 V	
Operating Temperature -40°C ~ 105°C Package / Case 32-VFQFN Exposed Pad	Current - Receiving	9.3mA	
Package / Case 32-VFQFN Exposed Pad	Current - Transmitting	9.1mA ~ 13.8mA	
	Operating Temperature	-40°C ~ 105°C	
Report errors?	Package / Case	32-VFQFN Exposed Pad	
•			Report errors?

ATA5830N-PNQW 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.

ATA5830N-PNQW Payment Methods



















ATA5830N-PNQW Shipping Methods













If you have any question about ATA5830N-PNQW, please do not hesitate to contact us!

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