



NRF51422-QFAA-R Information



For Reference Only

Part Number NRF51422-QFAA-R

Manufacturer Nordic Semiconductor ASA

Category RF/IF and RFID RF Transceiver ICs

Description IC RF TXRX+MCU BLUETOOTH 48VFQFN

Package 48-VFQFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

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



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NRF51422-QFAA-R Specifications

Manufacturer Part Number NRF51422-QFAA-R Manufacturer Nordic Semiconductor ASA Category RF/IF and RFID Reformation RF Transceiver ICs Package 48-VFQFN Exposed Pad Series - Type TxRx + MCU RF Family/Standard Bluetooth, General ISM > 1GHz Protocol ANT, Bluetooth v4.0 Modulation GFSK Frequency 2.4GHz Data Rate (Max) 2Mbps Power - Output 4dBm Sensitivity -96dBm Memory Size 256kB Flash, 16kB RAM Serial Interfaces 12C, SPI, UART GPIO 32 Voltage - Supply 1.8 V ~ 3.6 V Current - Receiving 12.6mA ~ 13.4mA Current - Transmitting 5.5mA ~ 16mA Operating Temperature -25°C ~ 75°C Package / Case 48-VFQFN Exposed Pad		
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RF Family/Standard Bluetooth, General ISM > 1GHz Protocol ANT, Bluetooth v4.0 Modulation GFSK Frequency 2.4GHz Data Rate (Max) Power - Output 4dBm Sensitivity -96dBm Memory Size 256kB Flash, 16kB RAM Serial Interfaces 12C, SPI, UART GPIO 32 Voltage - Supply 1.8 V ~ 3.6 V Current - Receiving 12.6mA ~ 13.4mA Current - Transmitting Operating Temperature -25°C ~ 75°C Package / Case 48-VFQFN Exposed Pad	Series	-
ProtocolANT, Bluetooth v4.0ModulationGFSKFrequency 2.4GHz Data Rate (Max) 2Mbps Power - Output 4dBm Sensitivity -96dBm Memory Size $25 \text{6kB Flash, 16kB RAM}$ Serial Interfaces 12C, SPI, UART GPIO 32 Voltage - Supply $1.8 \text{ V} \sim 3.6 \text{ V}$ Current - Receiving $12.6 \text{mA} \sim 13.4 \text{mA}$ Current - Transmitting $5.5 \text{mA} \sim 16 \text{mA}$ Operating Temperature $-25^{\circ}\text{C} \sim 75^{\circ}\text{C}$ Package / Case $48 \text{-VFQFN Exposed Pad}$	Туре	TxRx + MCU
ModulationGFSKFrequency 2.4 GHzData Rate (Max) 2 MbpsPower - Output 4 dBmSensitivity -96 dBmMemory Size 256 kB Flash, 16 kB RAMSerial Interfaces $12C$, SPI, UARTGPIO 32 Voltage - Supply $1.8 \text{ V} \sim 3.6 \text{ V}$ Current - Receiving 12.6 mA ~ 13.4 mACurrent - Transmitting 5.5 mA ~ 16 mAOperating Temperature -25° C $\sim 75^{\circ}$ CPackage / Case 48.4 VFQFN Exposed Pad	RF Family/Standard	Bluetooth, General ISM > 1GHz
Frequency 2.4GHz Data Rate (Max) 2Mbps Power - Output 4dBm Sensitivity -96dBm Memory Size 256kB Flash, 16kB RAM Serial Interfaces I2C, SPI, UART GPIO 32 Voltage - Supply 1.8 V ~ 3.6 V Current - Receiving 12.6mA ~ 13.4mA Current - Transmitting 5.5mA ~ 16mA Operating Temperature -25°C ~ 75°C Package / Case 48-VFQFN Exposed Pad	Protocol	ANT, Bluetooth v4.0
Data Rate (Max) 2Mbps Power - Output 4dBm Sensitivity -96dBm Memory Size 256kB Flash, 16kB RAM Serial Interfaces 12C, SPI, UART GPIO 32 Voltage - Supply 1.8 V ~ 3.6 V Current - Receiving 12.6mA ~ 13.4mA Current - Transmitting 5.5mA ~ 16mA Operating Temperature -25°C ~ 75°C Package / Case 48-VFQFN Exposed Pad	Modulation	GFSK
Power - Output 4dBm Sensitivity -96dBm Memory Size 256kB Flash, 16kB RAM Serial Interfaces I2C, SPI, UART GPIO 32 Voltage - Supply 1.8 V ~ 3.6 V Current - Receiving 12.6mA ~ 13.4mA Current - Transmitting 5.5mA ~ 16mA Operating Temperature -25°C ~ 75°C Package / Case 48-VFQFN Exposed Pad	Frequency	2.4GHz
Sensitivity -96dBm Memory Size 256kB Flash, 16kB RAM Serial Interfaces I2C, SPI, UART GPIO 32 Voltage - Supply 1.8 V ~ 3.6 V Current - Receiving 12.6mA ~ 13.4mA Current - Transmitting 5.5mA ~ 16mA Operating Temperature -25°C ~ 75°C Package / Case 48-VFQFN Exposed Pad	Data Rate (Max)	2Mbps
Memory Size 256kB Flash, 16kB RAM Serial Interfaces I2C, SPI, UART GPIO 32 Voltage - Supply 1.8 V ~ 3.6 V Current - Receiving 12.6mA ~ 13.4mA Current - Transmitting 5.5mA ~ 16mA Operating Temperature -25°C ~ 75°C Package / Case 48-VFQFN Exposed Pad	Power - Output	4dBm
Serial InterfacesI2C, SPI, UARTGPIO32Voltage - Supply $1.8 \text{ V} \sim 3.6 \text{ V}$ Current - Receiving $12.6\text{mA} \sim 13.4\text{mA}$ Current - Transmitting $5.5\text{mA} \sim 16\text{mA}$ Operating Temperature $-25^{\circ}\text{C} \sim 75^{\circ}\text{C}$ Package / Case $48\text{-VFQFN Exposed Pad}$	Sensitivity	-96dBm
GPIO 32 Voltage - Supply 1.8 V \sim 3.6 V Current - Receiving 12.6mA \sim 13.4mA Current - Transmitting 5.5mA \sim 16mA Operating Temperature -25°C \sim 75°C Package / Case 48-VFQFN Exposed Pad	Memory Size	256kB Flash, 16kB RAM
Voltage - Supply $1.8 \ V \sim 3.6 \ V$ Current - Receiving $12.6 mA \sim 13.4 mA$ Current - Transmitting $5.5 mA \sim 16 mA$ Operating Temperature $-25^{\circ}C \sim 75^{\circ}C$ Package / Case $48-VFQFN \ Exposed \ Pad$	Serial Interfaces	I2C, SPI, UART
Current - Receiving $12.6\text{mA} \sim 13.4\text{mA}$ Current - Transmitting $5.5\text{mA} \sim 16\text{mA}$ Operating Temperature $-25^{\circ}\text{C} \sim 75^{\circ}\text{C}$ Package / Case $48\text{-VFQFN Exposed Pad}$	GPIO	32
Current - Transmitting $5.5 \text{mA} \sim 16 \text{mA}$ Operating Temperature $-25^{\circ}\text{C} \sim 75^{\circ}\text{C}$ Package / Case $48\text{-VFQFN Exposed Pad}$	Voltage - Supply	1.8 V ~ 3.6 V
Operating Temperature $-25^{\circ}\text{C} \sim 75^{\circ}\text{C}$ Package / Case $48\text{-VFQFN Exposed Pad}$	Current - Receiving	12.6mA ~ 13.4mA
Package / Case 48-VFQFN Exposed Pad	Current - Transmitting	5.5mA ~ 16mA
• • •	Operating Temperature	-25°C ~ 75°C
Report errors?	Package / Case	48-VFQFN Exposed Pad
		Report errors?

NRF51422-QFAA-R 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.

NRF51422-QFAA-R Payment Methods



















NRF51422-QFAA-R Shipping Methods













If you have any question about NRF51422-QFAA-R, please do not hesitate to contact us!

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