



Image may be representation.  
See specifications for product details.



## RN4020-V/RM123

Manufacturer Part Number	<b>RN4020-V/RM123</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-RN4020-V/RM123
ECAD Model	Request Free CAD Models
Parts Description	RF TXRX MODULE BT TRC ANT SMD
Package	Module
Data sheet	<b>RN4020.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

RN4020-V/RM123 - Microchip Technology. New Original in Stock. Download Linear Technology RN4020-V/RM123 datasheet/specifications on AllelcoElec.com.  
Request a quote for RN4020-V/RM123, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

RN4020-V/RM123 Tech Specifications  
RN4020-V/RM123 - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Operating Temperature	-30°C ~ 85°C
Voltage - Supply	1.8V ~ 3.6V	Mounting Type	Surface Mount
Utilized IC / Part	-	Modulation	GFSK
Series	-	Memory Size	64kB Flash
Serial Interfaces	AIO, PIO, SPI, UART	Frequency	2.4GHz
Sensitivity	-92.5dBm	Firmware Version	1.23
RF Family/Standard	Bluetooth	Data Rate	1Mbps
Protocol	Bluetooth v4.1	Current - Transmitting	16mA
Power - Output	7.5dBm	Current - Receiving	16mA
Package / Case	Module	Base Product Number	RN4020
Package	Tray	Antenna Type	Integrated, Trace

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology RN4020-V/RM123

Product Attribute				
Part Number	RN4020-V/RM123	<b>RN4020-V/RM</b>	<b>RN4020-V/RM120</b>	<b>RN412ESLTE3323F50</b>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	KOA
Current - Transmitting	16mA	16mA	16mA	-
Base Product Number	RN4020	RN4020	RN4020	-
Frequency	2.4GHz	2.4GHz	2.4GHz	-
Utilized IC / Part	-	-	-	-
Series	-	-	-	-
Voltage - Supply	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	-
Modulation	GFSK	GFSK	GFSK	-
Antenna Type	Integrated, Trace	Integrated, Trace	Integrated, Trace	-
Operating Temperature	-30°C ~ 85°C	-30°C ~ 85°C	-30°C ~ 85°C	-
Firmware Version	1.23	1.10.09	1.2	-
Data Rate	1Mbps	1Mbps	1Mbps	-
Package	Tray	Tray	Tray	-
Serial Interfaces	AIO, PIO, SPI, UART	AIO, PIO, SPI, UART	AIO, PIO, SPI, UART	-
Power - Output	7.5dBm	7.5dBm	7.5dBm	-
Memory Size	64kB Flash	64kB Flash	64kB Flash	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	-
RF Family/Standard	Bluetooth	Bluetooth	Bluetooth	-
Sensitivity	-92.5dBm	-92.5dBm	-92.5dBm	-
Current - Receiving	16mA	16mA	16mA	-
Protocol	Bluetooth v4.1	Bluetooth v4.1	Bluetooth v4.1	-
Package / Case	Module	Module	Module	-

### RN4020-V/RM123 Datasheet PDF

Download RN4020-V/RM123 pdf datasheets and Microchip Technology documentation for RN4020-V/RM123 - Microchip Technology.

#### Datasheets

RN4020.pdf

#### PCN Design/Specification

**Customers Also Interested in**

**Recommended Products**

 NO PICTURE	 NO PICTURE	 NO PICTURE	 NO PICTURE		 NO PICTURE
<b>RN412ESLTE3323F50</b> KOA	<b>RN412ESTTE5623F50</b> KOA	<b>RN412ESTTE50</b> KOA Speer Electronics, Inc.	<b>RN412ESTTE2001F50</b> KOA	<b>RN412ESTTE3482F50</b> Electro-Films (EFI) / Vishay	<b>RN412ESTTE50F</b> KOA Speer Electronics, Inc.
	 NO PICTURE	 NO PICTURE	 NO PICTURE	 NO PICTURE	 NO PICTURE
<b>RN4020-V/RM</b> Microchip Technology RF TXRX MODULE BT TRC ANT SMD	<b>RN412ESTTE1212F50</b> KOA	<b>RN412ESTTER22J50</b> KOA	<b>RN412ESTTE1803F50</b> KOA	<b>RN412HTTE121J200</b> KOA	<b>RN412HTTE122J200</b> KOA
 NO PICTURE	 NO PICTURE	 NO PICTURE	 NO PICTURE		 NO PICTURE
<b>RN412ESTTE</b> KOA Speer Electronics, Inc.	<b>RN412ESTTE4751B25</b> KOA	<b>RN412ESTTE50F2.2</b> KOA	<b>RN412DTTE50F</b> KOA	<b>RN4020-V/RM120</b> Microchip Technology RF TXRX MODULE BT TRC ANT SMD	<b>RN41 2ES TTE 7500 F50</b> Koa Corp.

**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
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**Contact us if you have any questions.**

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**Certifications & Memberships**



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**Contact us**

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