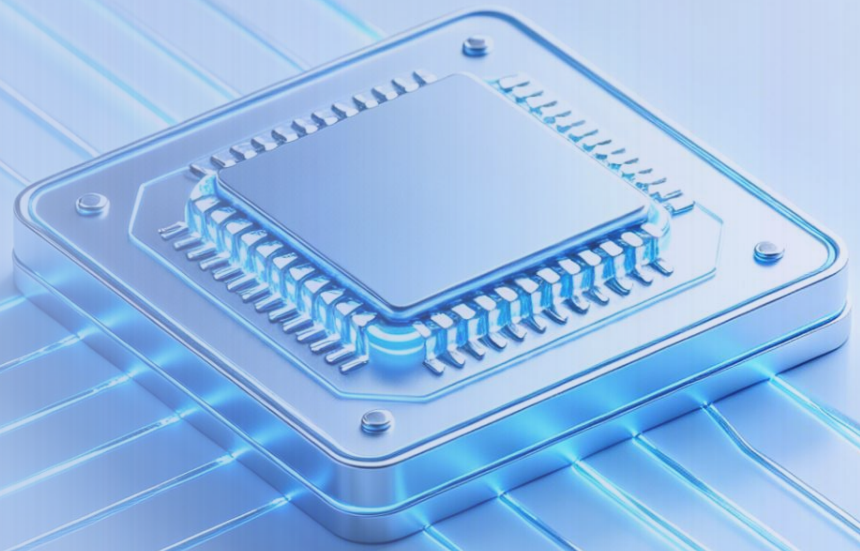
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RF IC Selection Guide

Transmitter IC Selection Guide

Category	Product	Package	Modulation Method	Frequency Range	Supply Voltage(V)	Application Range
Single transmitter for use with MCU	JZCT05	SOT23-6	OOK	240-480MHz	1.8-3.6	315MHz products for export or domestic use, KC certified
	JZJT15	SOT23-6	OOK	240-480MHz	1.8-3.6	315MHz self-powered products for export or domestic use, FCC certified
	JZBT23	SOT23-6	OOK/FSK	240-960MHz	1.8-3.6	Supports transparent mode only
	JZJT16	SOT23-6	OOK	300-450MHz	2.1-3.6	433MHz for low-cost applications, export or domestic
	JZJT18	SOT23-6	OOK	240-960MHz	1.8-3.6	MCU+射频，500-960MHZ
Encoded transmission	JZ1527	SOP8	OOK	315-433MHz	2.2-6	Domestic SAW resonator applications, replacement for 1527
	JZJT17	SOP8	OOK	240-480MHz	1.8-3.6	Mid-to-high end, integrated encoding like 1527, self-powered
	JZJT01	SOP8	OOK	240-480MHz	1.8-3.6	Domestic, user-defined encoding
	JZJT02	SOP8	OOK	240-480MHz	1.8-3.6	Export, FCC certified, user-defined encoding, self-powered
	JZJT06	SOP16	OOK	240-480MHz	1.8-3.6	Multiple buttons, user-defined encodin

Receiver IC Selection Guide

Category	Product	Package	Modulation Method	Frequency Range	Supply Voltage(V)	Application Range
Receiver IC	JZJR31	SOP8	OOK	300-480MHz	3.0-5.5	Low-End, 531 Pinout
	JZJR30L	SOP8	OOK	300-480MHz	3.0-5.5	Low-End, 480 Pinout
	JZFR22	SOP8	OOK	300-450MHz	2.0-5.0	Mid-to-Low End, Battery-Powered Low Power Consumption, 480 Pinout
	JZCR10	SOP8	OOK	300-960MHz	2.0-5.5	Mid-to-High End, High Anti-Interference or Self-Powered Products
	JZBR30	SOP8	OOK	300-960MHz	1.8-5.0	Mid-to-High End, Battery-Powered Low Power Consumption, 480 Pinout
	JZBR31	QFN16	OOK/FSK	127-1020MHz	1.8-3.6	High-End, Supports FIFO or Transparent Mode, Medium to Long Range
	JZBR32	QFN16	OOK/FSK	200-960MHz	1.8-3.6	High-End, Supports Programming and Software Configuration, Ultra-Long Range

Transceiver IC Selection Guide

Category	Product	Package	Modulation Method	Frequency Range	Supply Voltage(V)	Application Range
Transceiver IC	JZRT401	QFN16	OOK/FSK	127-1020MHz	1.8-3.6	High-End, Sub-1GHz Bidirectional Application, Compatible with 2300A
	JZRT402	QFN16	OOK/FSK	127-1020MHz	1.8-3.6	High-End, Sub-1GHz Bidirectional Application, Strong Anti-Interference,not Compatible with 2300A
	JZRT201H	SOP8	FSK	2400-2483	2.3-3.6	Bidirectional 2.4GHz Single-Chip

Transceiver Module Selection Guide

Category	Product	Modulation Type	Frequency Range (MHz)	Operating Voltage (V)	Sensitivity (dBm)	Power-Saving Mode	Size(mm)	Features
Transmitter Module	JZ_TX03	OOK	315/433.92	2.0～5.5	-	√	11.5*1	• RF parameters programmable (TX04) • Low cost / Power-saving • Stable and reliable operation • Requires use with a microcontroller or wireless encoder IC
	JZ_TX04	OOK	315/433.92	1.8～3.6	-	√	12*16*1.0	
Superheterodyne Receiver Module	JZ_RXB01	OOK	315/433.92	3～5.5	-109	×	14*16*1.0	• High sensitivity, low cost • Stable and reliable operation • Low power consumption • Requires use with a microcontroller
	JZ_RXB05	OOK	315/433.92	3～5.5	-109	×	27.5*8.5*1.0	• High sensitivity, low cost • Stable and reliable operation • Requires use with a microcontroller
Superheterodyne Receiver Module with Decoding	JZ_RXD01	OOK	315/433.92	1.8～5.5	-114	√	22.5*16*1.0	• Convenient for adding remote control function to products originally without it • Lower cost and more convenient production compared to products using the 2272 solution, with optional learning function • Easy to use with products that have complex functions or are inconvenient to decode together with the main controller • Designed for low-power products, with built-in microcontroller, standby current below 1uA, operating current within 1mA

Transceiver Module Selection Guide

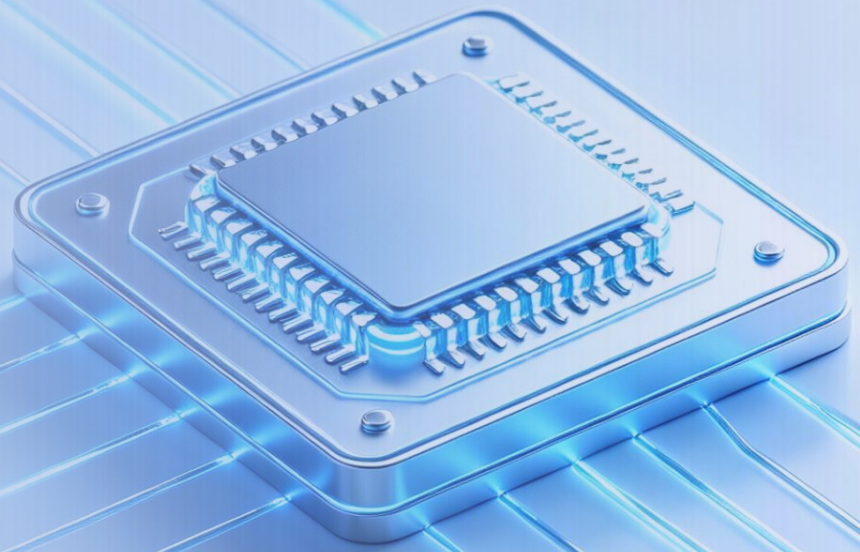
Module Specifications	Product	Modulation Type	Frequency Range (MHz)	Operating Voltage (V)	Sensitivity (dBm)	Power-Saving Mode	Size (mm)	Features
Bidirectional Transceiver Module	JZ_RXD10	OOK/FSK	127-1020MHz	1.8-3.6	-120	√	16*16*1.0	• High-End, Sub-1GHz One-way and Two-way Applications • Transmission Power: +20dBm, Receiving Sensitivity: -120dBm • Requires external MCU, SPI communication, requires own development • Suitable for scenarios requiring strong anti-interference and long-distance communication
	JZ_RXD11	OOK/FSK	127-1020MHz	1.8-3.6	-120	√	25*16*1.0	• High-End, Sub-1GHz One-way and Two-way Applications • Transmission Power: +20dBm, Receiving Sensitivity: -120dBm • Built-in MCU, SPI communication, supports custom function development • Suitable for scenarios requiring strong anti-interference and long-distance communication
2.4GHz Transceiver Module	JZ_RXD12	GFSK	2400-2483	1.8-3.6	-95	√	25*16*1.0	• High-End, 2.4GHz One-way and Two-way Applications • Transmission Power: +9dBm, Receiving Sensitivity: -95dBm • Built-in MCU, SPI, IIC communication, supports custom function development

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