



### **ETRX2 Information**



For Reference Only

Part Number ETRX2

Manufacturer Silicon Labs

Category RF/IF and RFID

**RF** Transceiver Modules

**Description** RF TXRX MODULE 802.15.4 CHIP ANT

Package Module

For the pricing/inventory/lead time, please contact

us

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



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# **Certified Quality**

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# **ETRX2 Specifications**

Manufacturer Part Number         ETRX2           Manufacturer         Silicon Labs           Category         RF/IF and RFID           RF and RFID         RF Transceiver Modules           Package         Module           Series         -           RF Family/Standard         802.15.4           Protocol         Zigbee?           Modulation         -           Frequency         2.4GHz           Data Rate         250kbps           Power - Output         3dBm           Sensitivity         -98dBm           Serial Interfaces         -           Antenna Type         Integrated, Chip           Memory Size         128kB Flash, 5kB SRAM           Voltage - Supply         2.1 V ~ 3.6 V           Current - Receiving         35.5mA           Current - Transmitting         35.5mA           Mounting Type         Surface Mount           Operating Temperature         -40°C ~ 85°C           Package / Case         Module		
Category         RF/IF and RFID           RF Transceiver Modules           Package         Module           Series         -           RF Family/Standard         802.15.4           Protocol         Zigbee?           Modulation         -           Frequency         2.4GHz           Data Rate         250kbps           Power - Output         3dBm           Sensitivity         -98dBm           Serial Interfaces         -           Antenna Type         Integrated, Chip           Memory Size         128kB Flash, 5kB SRAM           Voltage - Supply         2.1 V ~ 3.6 V           Current - Receiving         35.5mA           Current - Transmitting         35.5mA           Mounting Type         Surface Mount           Operating Temperature         -40°C ~ 85°C           Package / Case         Module	Manufacturer Part Number	ETRX2
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ProtocolZigbee?Modulation-Frequency $2.4 \text{GHz}$ Data Rate $250 \text{kbps}$ Power - Output $3d \text{Bm}$ Sensitivity $-98 \text{dBm}$ Serial Interfaces-Antenna TypeIntegrated, ChipMemory Size $128 \text{kB Flash}$ , $5 \text{kB SRAM}$ Voltage - Supply $2.1 \text{ V} \sim 3.6 \text{ V}$ Current - Receiving $35.5 \text{mA}$ Current - Transmitting $35.5 \text{mA}$ Mounting TypeSurface MountOperating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / CaseModule	Series	-
Modulation - Frequency 2.4GHz  Data Rate 250kbps  Power - Output 3dBm  Sensitivity -98dBm  Serial Interfaces - Integrated, Chip  Memory Size 128kB Flash, 5kB SRAM  Voltage - Supply 2.1 V ~ 3.6 V  Current - Receiving 35.5mA  Current - Transmitting 35.5mA  Mounting Type Surface Mount  Operating Temperature -40°C ~ 85°C  Package / Case Mount	RF Family/Standard	802.15.4
Frequency Data Rate 250kbps  Power - Output 3dBm  Sensitivity -98dBm  Serial Interfaces - Antenna Type Integrated, Chip Memory Size 128kB Flash, 5kB SRAM  Voltage - Supply 2.1 V ~ 3.6 V  Current - Receiving 35.5mA  Current - Transmitting Mounting Type Surface Mount Operating Temperature -40°C ~ 85°C  Package / Case Module	Protocol	Zigbee?
Data Rate250kbpsPower - Output3dBmSensitivity-98dBmSerial Interfaces-Antenna TypeIntegrated, ChipMemory Size128kB Flash, 5kB SRAMVoltage - Supply2.1 V ~ 3.6 VCurrent - Receiving35.5mACurrent - Transmitting35.5mAMounting TypeSurface MountOperating Temperature-40°C ~ 85°CPackage / CaseModule	Modulation	-
Power - Output 3dBm  Sensitivity -98dBm  Serial Interfaces -  Antenna Type Integrated, Chip  Memory Size 128kB Flash, 5kB SRAM  Voltage - Supply 2.1 V ~ 3.6 V  Current - Receiving 35.5mA  Current - Transmitting 35.5mA  Mounting Type Surface Mount  Operating Temperature -40°C ~ 85°C  Package / Case Module	Frequency	2.4GHz
Sensitivity -98dBm  Serial Interfaces -  Antenna Type Integrated, Chip  Memory Size 128kB Flash, 5kB SRAM  Voltage - Supply 2.1 V ~ 3.6 V  Current - Receiving 35.5mA  Current - Transmitting 35.5mA  Mounting Type Surface Mount  Operating Temperature -40°C ~ 85°C  Package / Case Module	Data Rate	250kbps
Serial Interfaces  Antenna Type  Integrated, Chip  Memory Size  128kB Flash, 5kB SRAM  Voltage - Supply  2.1 V ~ 3.6 V  Current - Receiving  35.5mA  Current - Transmitting  35.5mA  Mounting Type  Surface Mount  Operating Temperature  -40°C ~ 85°C  Package / Case  Module	Power - Output	3dBm
Antenna Type  Memory Size  128kB Flash, 5kB SRAM  Voltage - Supply  2.1 V ~ 3.6 V  Current - Receiving  35.5mA  Current - Transmitting  35.5mA  Mounting Type  Surface Mount  Operating Temperature  -40°C ~ 85°C  Package / Case  Module	Sensitivity	-98dBm
Memory Size128kB Flash, 5kB SRAMVoltage - Supply2.1 V ~ 3.6 VCurrent - Receiving35.5mACurrent - Transmitting35.5mAMounting TypeSurface MountOperating Temperature-40°C ~ 85°CPackage / CaseModule	Serial Interfaces	-
Voltage - Supply2.1 V ~ 3.6 VCurrent - Receiving35.5mACurrent - Transmitting35.5mAMounting TypeSurface MountOperating Temperature-40°C ~ 85°CPackage / CaseModule	Antenna Type	Integrated, Chip
Current - Receiving 35.5mA  Current - Transmitting 35.5mA  Mounting Type Surface Mount  Operating Temperature -40°C ~ 85°C  Package / Case Module	Memory Size	128kB Flash, 5kB SRAM
Current - Transmitting  35.5mA  Mounting Type  Surface Mount  Operating Temperature  -40°C ~ 85°C  Package / Case  Module	Voltage - Supply	2.1 V ~ 3.6 V
Mounting Type Surface Mount  Operating Temperature -40°C ~ 85°C  Package / Case Module	Current - Receiving	35.5mA
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ Package / Case Module	Current - Transmitting	35.5mA
Package / Case Module	Mounting Type	Surface Mount
	Operating Temperature	-40°C ~ 85°C
Report errors?	Package / Case	Module
1		Report errors?

### **ETRX2** 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.

### **ETRX2 Payment Methods**



















## **ETRX2 Shipping Methods**













If you have any question about ETRX2, please do not hesitate to contact us!

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