

# RCR-XXX-EPR

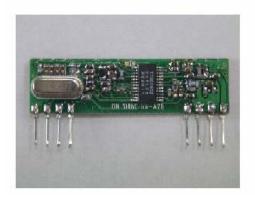
Available in 315 and 433 MHz.

### **Typical Applications**

- Home Security Systems
- Remote Lighting Controls
- Remote Gate Controls
- Asset Tracking
- Sensor Monitoring

#### Features

- Ideal for 315/ 433 MHz Remote Keyless Entry Receivers
- Phase-locked loop feature



#### Description

The RCR-XXX-EPR is a miniature receiver module that receives On-off keyed (OOK) modulation signal and demodulated to digital signal for the next decoder stage. Local Oscillator is made of L/C structure. The result is excellent performance in simple-to-use. The RCR-XXX-EPR is designed specifically for unlicensed remote control and wireless security receiver operating at 315/433 MHz in the USA under FCC Part 15 regulation.

Item No.	Parameter	Description	Value			
nem no.	Falalletei	Description	MIN	TYP	MAX	UNIT
1.	Sensitivity (315 MHz)	Vcc 5.0, TA-27C BER= 3/100, 1kbps		-105		MHz
2.	Sensitivity (433 MHz)	Vcc 5.0, TA-27C BER= 3/100, 1kbps		-104		MHz
3.	Modulation			ASK		
4.	Power Supply		4.75	5	5.25	V
5.	Supply Current			2.4	3	mA
6.	Data Rate			1	4.8	Kbps
7.	Operating Temperature		-40		+85	°C

### **Document Control**

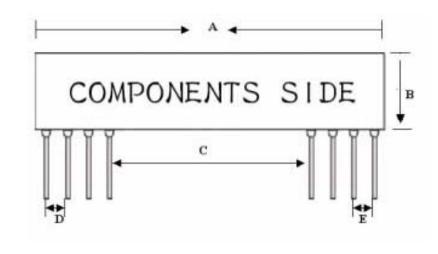
Created By	TJ Everett	1/20/07
Engineering Review		
Marketing Review		
Approved - Engineering		
<b>Approved - Marketing</b>		

# **Revision History**

Revision	Author	Date	Description
1.0	TJE	1/20/07	Document Created.

#### **RCR-XXX-EPR** Receiver

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Dimensions	Millimeters	Dimensions	Millimeters
Α	43.2	F	4.7
В	11.6		
С	25		
D	2.54		
E	2.54		

U nit:mm

# Absolute Maximum Ratings

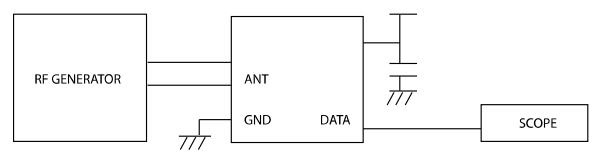
Rating	Value	Units
Power Supply and All Input Pins	-0.3 to +12	VDC
Storage Temperature	-50 to +100	°C
Soldering Temperature (10 sec)	350	°C
Industrial Temperature	-40 to +85	°C

## **Pin Description**

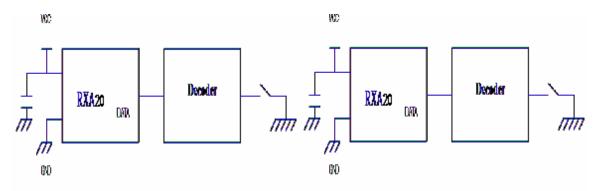
Pin	Name		
1	GND		-
2	OUT	and the second second	and the second second
3	PD/ EMPTY	Annual and a state of the second	Station .
4	VDD	EXE	
5	VDD	SER.	Name of Street
6	GND	JIB.	11/1
7	GND	12/2/2/2	12. 2. 2. 2.
8	ANT		

#### **RCR-XXX-EPR** Receiver

# **Typing Test Circuit**



# Typical Receiver Application



#### Notes:

1. Encoder : HT12D/F , PTC (2262)

2. Antenna : Length = 22.6cm for 315MHz; Length = 17.2cm for 433MHz

### **Ordering Information**

PRODUCT	ORDER CODE
RCR-433-EPR	RCR-433-EPR

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