

RF Receiver Module

Features

- Low Power Consumption
- ASK Transmitter using PT4450
- Ideal for 315/433.92MHz Remote Keyless-Entry Transmitter
- SAW Resonator
- ASK Design
- Simple to use



General Description

- The RFTM4450-TXC2 is a miniature ASK transmitter module.
The result is excellent performance in a simple-to-use, with very low component count.
- The RFTM4450-TXC2 is designed specifically for remote-control, wireless mouse and car alarm system operating at 315/433.92 MHz.

Applications

- Remote Control Systems
- Keyless-Entry Systems
- Wireless mouse
- Car alarm system

RF Transmitter Module

RFTM4450-TXC2

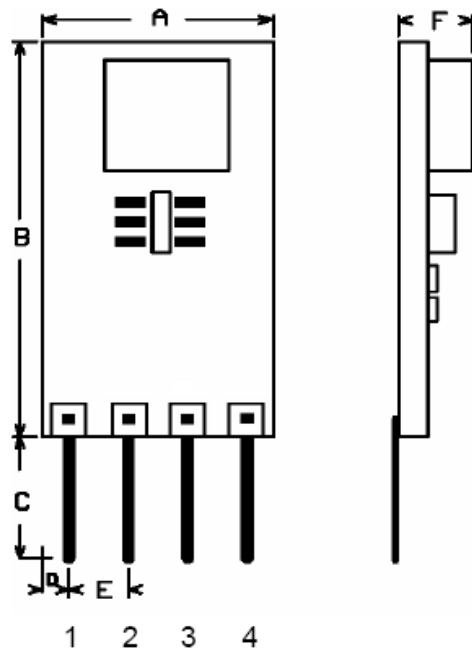
Absolute Maximum Ratings ($T_{amb}=25^{\circ}\text{C}$ unless otherwise noted)

Symbol	Description	Value	Unit
V_{CC}	Power Supply and/or Modulation Input Voltage	2.2 to 3.3	V
T_{OPR}	Operating temperature	-40 to +85	$^{\circ}\text{C}$

Transmitter Characteristics

Symbol	Description		RFTM4450-TXC2			Unit	Conditions
			Min.	Typ.	Max.		
P_{OUT}	Output Power	315 MHz	-	7.0	-	dBm	$V_{CC}=3.0\text{V}$, $T_A=27^{\circ}\text{C}$, 50 Ω load
		433.92 MHz	-	7.0	-	dBm	
V_{CC}	Supply Voltage		2.2	3.0	3.3	V	
I_{CC}	Supply Current		-	10	-	mA	
	Data Rate		-	1	10	Kbps	

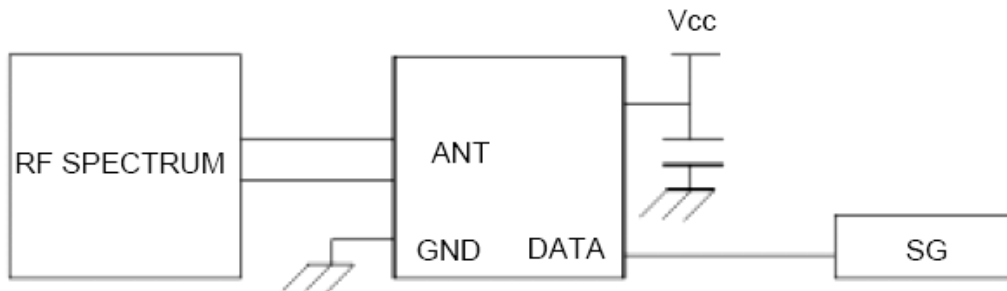
Pin Descriptions



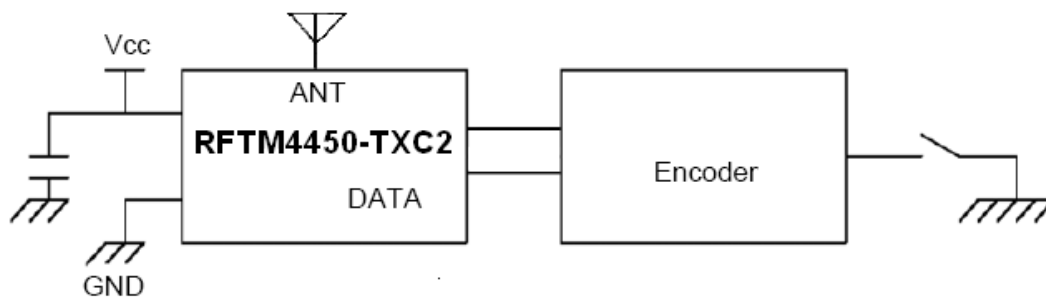
Pin	Connection	Description
1	ANT	RF Output with 50 ohm matched antenna
2	VCC	3V Power Supply
3	DATA	Data Input
4	GND	RF/DC Ground

Dimension	mm	Dimension	mm
A	9.9 +/-0.25	D	1.1 +/-0.1
B	19.0 +/-0.25	E	2.54 (MAX)
C	5.9 +/-0.1	F	4 +/-0.25

Typing Test Circuit



Typical Transmitter Application



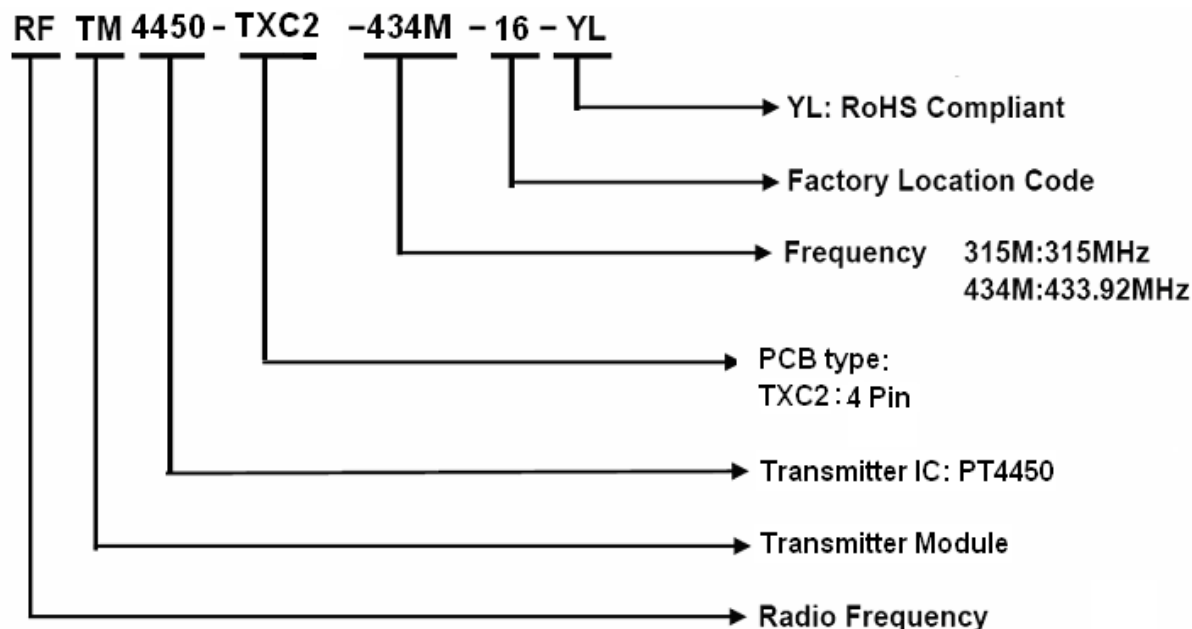
Notes:

1. Encoder: PT2262
2. Antenna: Length = 22.6cm for 315MHz; Length = 17.2 cm for 433.92MHz.

RF Transmitter Module

RFTM4450-TXC2

How to order:



How to contact us

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