ASK TRANSMITTER MODULE
XM-TL

XM-TL

General Introduction

The XM-TL is an ASK transmitter module .The result is excellent performance in a simple-to-use .The XM-TL is designed specifically for remote-control , wireless mouse car alarm system operating. The weather forecast (temperature, rainfall, wind speed, island-from mosquitoes project plan) products; Household appliances remote; Remote control toy cars, planes, etc.
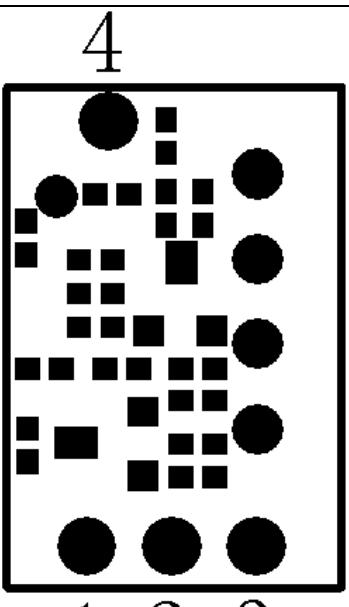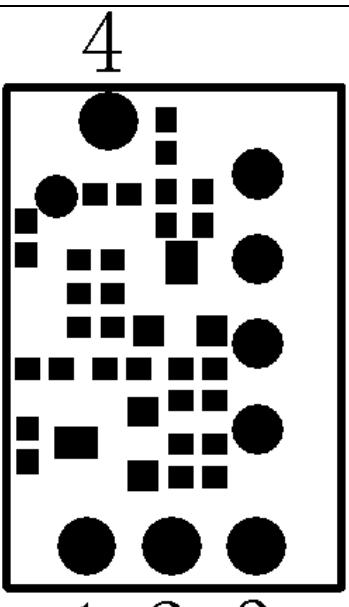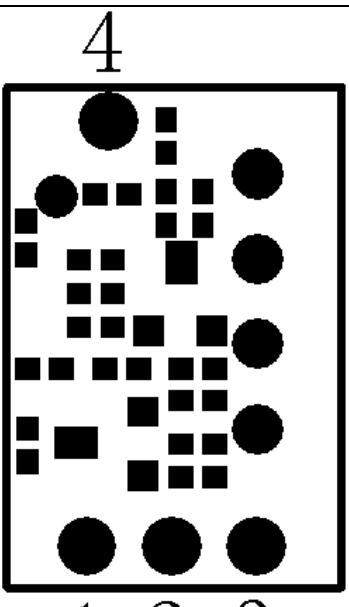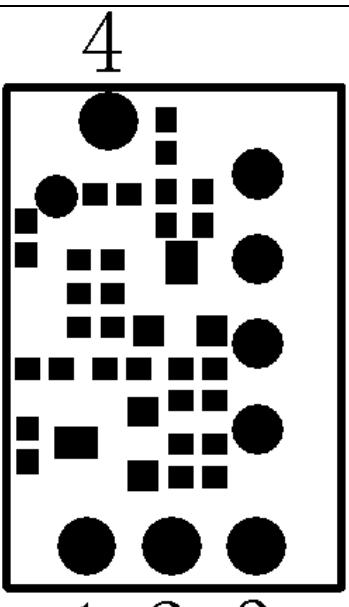
Features：
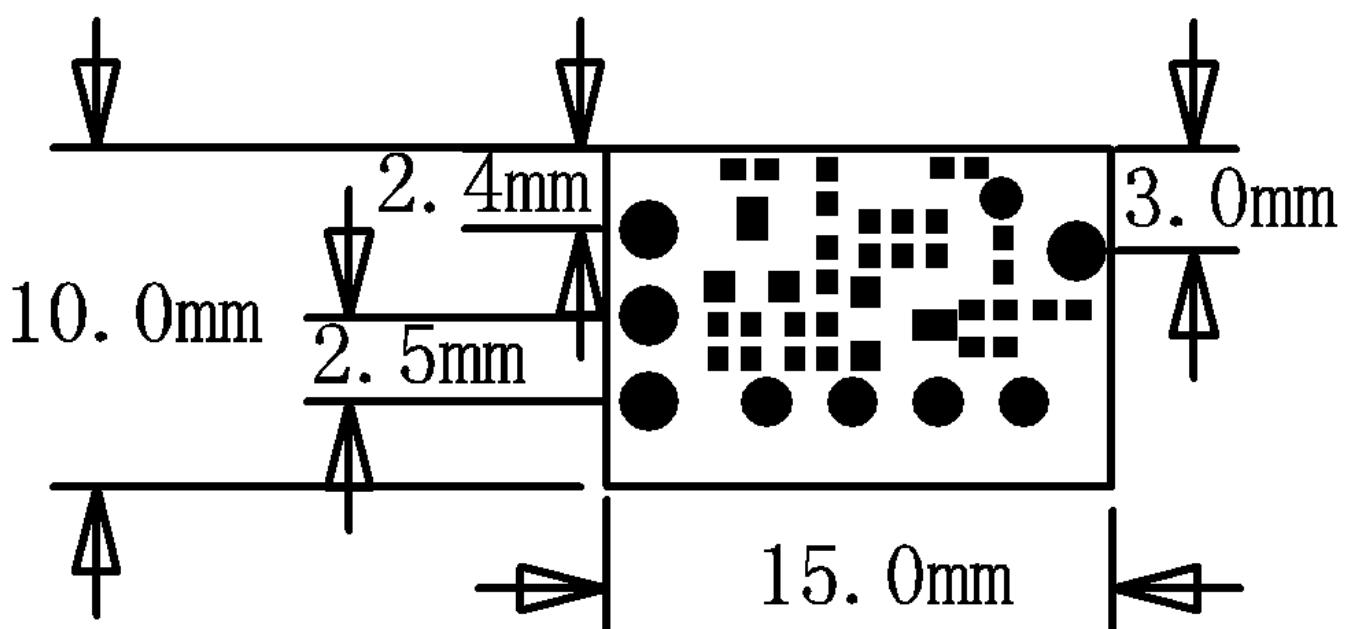
• Ideal for 315-480 MHz Remote Keyless-Entry Transmitter.
• SAW RESONATOR
• ASK Design
• 2.2V~12V POWER SUPPLY
• LOW POWER CONSUMPTION

Typical Application：

• Remote control
• Remote sensor
• Wireless data collection
• Home security system
•car alarm system
• Toys
• Tire pressure monitoring system

Pin Definition：

PIN	Connections
1	VDD
2	DATA
3	GND
4	ANT

XM-TL
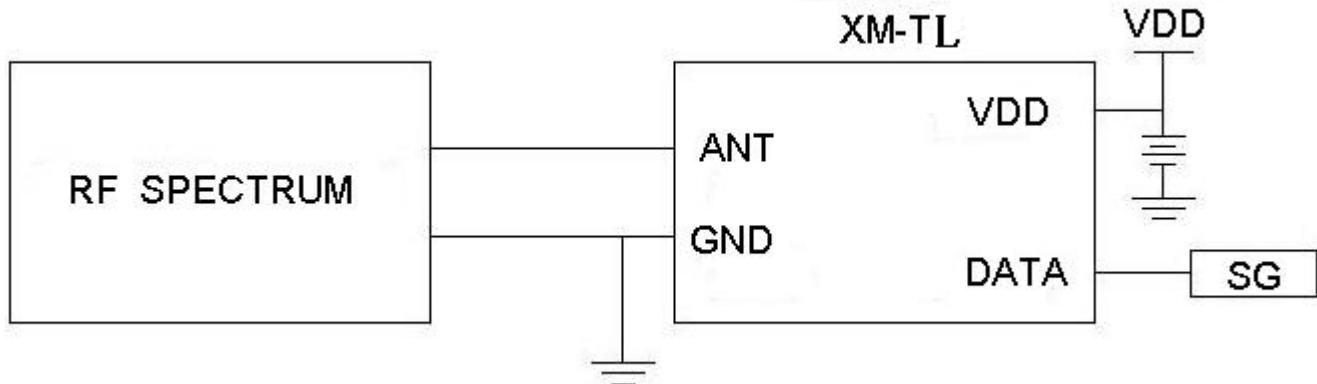
Absolute Maximum Ratings：

Parameter	Value	Units
Power Supply and/or Modulation Input Voltage	2.2 ~ 12	V
Operating temperature	-30 to +70	℃

Transmitter Characteristics：

Parameter	Symbol	Condition	Condition			Unit
			min.	typ.	max.	
Operation Frequency			315		480	MHz
Output power		Vcc=3.0V,TA-25℃, 50Ω load		12		dBm
		Vcc=12.0V,TA-25℃, 50Ω load		27		
Supply current	Icc	Vcc=3V		24		mA
		Vcc=12V		150		
Supply voltage Range	Vcc		2.2	3.3	12	V
Data Rate			300		10K	bps

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Typing Test Circuit

Typical transmitter Application