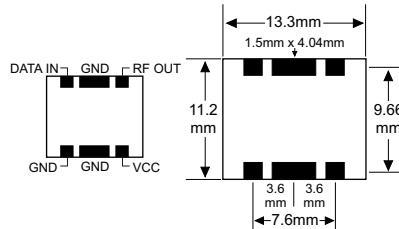


# ASK RF Module

## 280~434Mhz Wireless RF Applications

### Tx



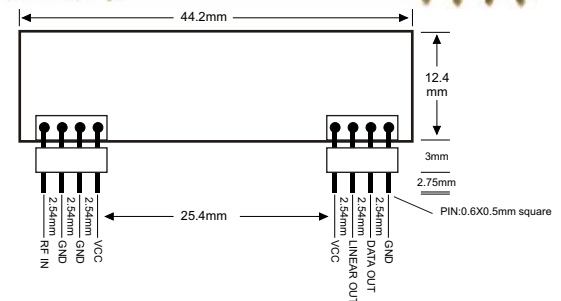
### FEATURES:

- Low Power Consumption for 2.5~12V Operation.
- Designed for 280~434Mhz communication Systems.
- ASK Modulation/Demodulation
- Low spurious noise
- Data rate 4800 bps typical
- Dimension (Tx:13.3x11.2x4.5mm; Rx:44.1x12.4x4.5mm)

### Rx

### ELECTRICAL SPECIFICATIONS

Parameter	Tx Module	Rx Module
• Receive frequency band	N/A	280-434Mhz
• Demodulation	Minimum	ASK detection
• Receiver sensitivity	Minimum	-103dBm
• Data rate	Typical	4800bps
• Transmit frequency band	280~434Mhz	N/A
• Modulation	ASK	N/A
• Output power	15.5dBm@12V 14.2dBm@10V 13.5dBm@9V 10.1dBm@6V 8.0dBm@5V 3.0dBm@3V 0dBm@2.5V	N/A
• Duplex type	Transmit only	Receive only
• RF frequency to tolerance	+/- 100K	+/- 500K
• Temperature range	Operation: 0°C to 60°C Storage: -10°C to 70°C	0°C to 60°C -10°C to 70°C
• Power source	2-12VDC	4.5-5.5VDC
• Power consumption	Test voltage: 12V 8.0mA@15.5dBm	
• Dimensions	44.2x12.4x4.5mm	13.3x11.2x4.5mm
• Weight	To be determined	To be determined



Avail now at your nearest Alexan branch!!

**MaxStream™**  
Smart, wireless connections™

## 9XStream

## RF Module

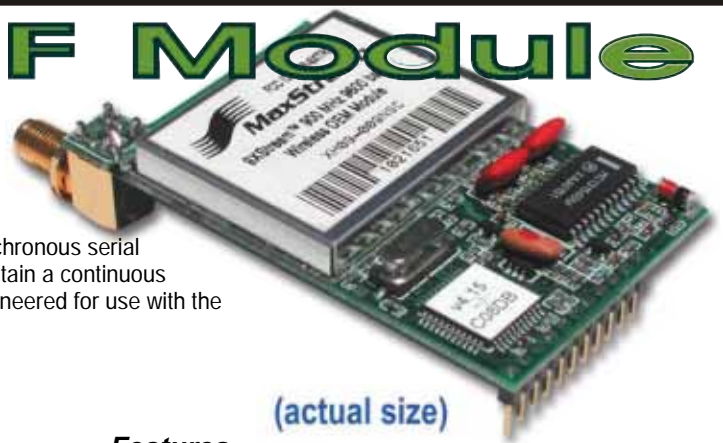
The **9XStream** is a frequency-hopping wireless module that allows wireless communication between equipment using a standard asynchronous serial data stream. The half-duplex transmission of the 9XStream can sustain a continuous data stream at the specified data rate. The 9XStream has been engineered for use with the following applications (among others):

- Supervisory Control and Data Acquisition (SCADA)
- Remote Meter Reading
- Home Automation
- Security
- Instrument Monitoring
- Point of Sale Systems (POS)

The 9XStream operates within its respective ISM Band and is approved by the FCC under Part 15 of FCC Rules and Regulations. A regulated 5-volt supply is required for operation.

### Simple Product Integration

The 9XStream module requires no knowledge of radio frequency (RF) design. It interfaces to any UART or PC Serial Port using the **MaxStream** interface board and has been developed with a small form-factor for ease of integration. The data transfer performance of the **9XStream** has been enhanced with proprietary technology from **MaxStream** and requires no additional licensing or FCC approval.



### Features

- Frequency-Hopping Spread Spectrum (FHSS) technology
- Noise and interference resistance
- Enhanced sensitivity and range
- Multiple low-power modes (down to 1 Microamp)
- Standard serial digital interface connection
- Built-in networking and addressing
- Simple AT command interface
- 9600 and 19200 baud transfer rates available
- Packet retries and acknowledgments