

# Jersey Microwave

## 2400/900 MHz Transceiver

### Features

- ✓ High Reliability & Low Cost
- ✓ Voltage Regulator & Delay Circuit Included
- ✓ Low Phase Noise
- ✓ Low Power Consumption
- ✓ Internal Phase Locked Oscillator
- ✓ Alternatives for higher gain, output power, and lower Phase Noise for specific requirements



### Description

The *Jersey Microwave* 2400/900MHz Transceiver is specially designed to work with all 2.4 GHz radios and wireless LAN 802.11b applications without any adjustment, including Direct Sequence Spread Spectrum (DSSS) applications. Jersey Microwave components can be tailored to meet your company's specific needs.

### Specifications

Parameter	Limit
<b>ANTENNA PORT</b>	
Frequency Band	876 – 942 MHz
VSWR	1.5:1 max.
<b>RADIO PORT</b>	
Frequency Band	2412 – 2478 MHz
VSWR	1.5:1 max.
<b>Tx/Rx CHARACTERISTICS</b>	
Local Oscillator Frequency	1536 MHz
Frequency Stability	± 2.5 ppm
Transmitter Gain	22 ± 2 dB
Transmitter Output Power	3W min.
Input Power (2.4 GHz)	14 ± 3 dBm
Receiver Gain	20 ± 3 dB
Receiver Gain Flatness	± 1.5 dB
Receiver Noise Figure	5 dB max.
Supply Voltage	+12DC @ 2.0A max.
Operating Temperature	-30° C to +70° C
Humidity	0 to 90% Non Condensing
Connectors: RF In/Out	SMA-Female
Supply Voltage	Capacitor Solder-Feedthru.
Package Size (W x L x H)	4.70" x 2.05" x 0.88"

Note: Specifications are subject to change without notice