



This amplifier is a high performance bidirectional amplifier for 2400MHz spread spectrum wireless LAN and telemetry applications. It is weatherproof and offers the greatest range and reliability by placing maximum transmit power as well as 23 dB of receive gain directly at the antenna where it is most effective. This receive gain compensates for cable losses and increases the overall receive sensitivity of the wireless system.

Ordering Information:

The standard input levels for this amplifier are as follows:  
5 mW, 10 mW, 25 mW, 50 mW, 100 mW,

Applications:

- 2.4 GHz ISM Band Applications
- 802.11b and 802.11g WiFi Wireless LAN
- Public Wireless Hotspot

Features:

- Transmit and Receive LEDs
- DC Injector included with Mast-Mount Hardware
- Machined Aluminum Construction

<b>Specifications</b>	
<b>Transmit Power</b>	4 Watt (36 dBm), 5 W max peak
<b>Frequency</b>	2400 - 2500 MHz
<b>Receive Gain**</b>	23 dB (up to 28 dB available)
<b>Operating Mode</b>	Bi-directional, half-duplex Time Division Duplex. Senses RF carrier from transmitter and automatically switches from receive to transmit mode
<b>Dimensions (L x D x H)</b> *excluding connectors	7.25 x 4.25 x 2.12* (inches) 184 x 108 x 54* (mm)
<b>Weight</b>	1.7 lbs. (.77 kg)
<b>Water Resistant Rating</b>	IEC 60529 IPX7
<b>Environmental Protection</b>	IP65
<b>Current Draw</b>	3.6A Peak Tx and 0.14A Peak Rx
<b>Supply Voltage</b>	12VDC -0.5V / +1V
<b>Operating Temperature</b>	-40°C to 50°C (-40°F to 122°F)
**Receive Gain ranging from 15-28 dB available with custom orders.	

**Note**

**This bi-directional amplifier is designed for burst half-duplex operation. It is not intended for constant transmit, CW or high duty cycle operation. Operation of the amplifier in CW or high duty cycle modes will damage the amplifier and void the warranty.**