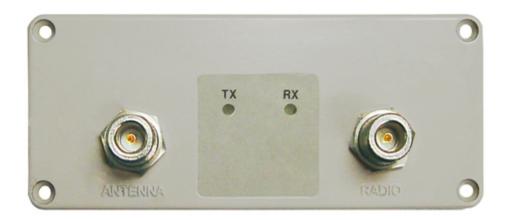


# AMPB-2400/5 5 W 23 dB OUTDOOR 2400 MHz AMPLIFIER



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

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