



AMPB-900/25

25 W 44 dBm OUTDOOR

900 MHz AMPLIFIER



This amplifier is a high performance bidirectional amplifier for 900MHz 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 20 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. They can be configured to deliver full transmit power with as little as 5 mW of input power, permitting cable runs of several hundred feet with no degradation in operating range.

Ordering Information:

The standard input levels for this amplifier are as follows:

5 mW, 10 mW, 25 mW, 50 mW, 100 mW, 200 mw, 500 mW and 1W

Please contact our customer representative for additional information.

Applications:

- 900 MHz ISM Band Applications
- 900 MHz Spread Spectrum Wireless LAN
- Telemetry Applications

Features:

- Transmit and Receive LEDs
- DC Injector included with outdoor version
- Machined Aluminum Construction with Durable UV-Stable Finish

Specifications	
Transmit Power	25 Watt (44 dBm)
Frequency	902 - 928 MHz
Receive Gain	20 dB
Max. Input Power	100 mW (20 dBm)
Operating Mode	Bi-directional, half-duplex Time Division Duplex. Senses RF carrier from transmitter and automatically switches from receive to transmit mode
Dimensions	6.7 x 4.7 x 2.1 (inches)
Weight	1.7 lbs. (.77 kg)
Water Resistant Rating	IEC 60529 IPX7
Current Draw	8A Peak Tx and 0.12A Peak Rx
Supply Voltage	15VDC -0.5V / +1V
Operating Temperature	-40°C to 50°C

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.