



802.11a 1W Outdoor Amplifier

5.8 GHz

Designed for extending the range of wireless radio devices requiring high linearity amplification and is particularly effective when used with Direct Sequence Spread Spectrum (DSSS), Frequency Hopping Spread Spectrum (FHSS), and 802.11a Orthogonal Frequency Division Multiplexing (OFDM) radio modems. This unit provides the transmit power amplification as well as receive signal gain.

Also available with the state of the art smart functions in 900 MHz and 2.4 GHz bands in several power options.



Item#12-505

Technical Information

Features	1Watt Outdoor
Operatin Range	5725 - 5875 MHz
Operating Mode	Bi-directional, TDD
Transmit Gain	17dB
Frequency Response	± 1 dB
Output Power	1W (+30dBm) @ 13dBm input
TX Input Power	1mW (0dBm) min, 20 mW (13dBm) max
Receiver Gain	12 dB typical
Noise Figure	3.5 dB typical
LED Indicators	RED: Solid On: Power and Receivng mode Off: No Power GREEN/ORANGE: Blinking: Transmitting
Connectors	N-type Female
Lightning Protection	Direct DC ground at antenna
DC Surge Protection	600 Watts TVS @ 12VDC
Power Consumption	1.5A @ 12VDC
Operating Temperature	-40 °C to + 70 °C

FCC NOTICE

The use of all radio equipment is subject to radio regulations in each country. It is the responsibility of the purchaser/installer/operator to insure that only approved equipment/systems are deployed. For the ISM band (900MHz, 2.4GHz, 5.7GHz) equipment manufactured, sold/or used in the USA, FCC Title 47, Part 15 governs the sale, lease, use and manufacture of equipment (wireless LAN cards, wireless Access points, amplifiers, etc.) and prohibits the same unless such equipment is used in the FCC-certified system configuration with which such equipment is authorized.