



SmartAmp 2.4GHz, 5W

2.4 GHz

Designed for extending the range of 2.4GHz wireless radio devices, this SmartAmp is particularly effective when used with Direct Sequence or Frequency Hopping Spread Spectrum radio modems. The unit provides transmit power amplification and receives signal gain.

Full output power of 5W is achieved with only 2.5mW input to the amplifier. Above 2.5mW input, the SmartAmp attenuates the input signal power and maintains the output power typically at 5W.



12-207

Technical Information

Features	5Watt Outdoor
Operatin Range	2400-2500 MHz
Operating Mode	TDD
Transmit Gain	up to 33 dB
Frequency Response	+/- 1
Output Power	5 Watt (+37dBm)
TX Input Power	3 dBm (2mW) min, 23 dBm (200mW) max
Receiver Gain	10-14 dB, 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, 50 Ohm
Lightning Protection	Quarter Wave Technology
DC Surge Protection	Available
Power Consumption	Tx = 3.3A, Rx = 180mA @ 12VDC
Operating Temperature	-40°C to + 70°C
AMP Dimensions:	6.0" L x 3.75" W x 1.19" H
Heat Sink Dimensions:	4.75" L x 7.5" W x 1.75" H

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.