



SmartAmp 2.4GHz, 500mW

2.4 GHz

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

The built-in dynamic power sensor in SmartAmp™ adjusts the Radio Frequency (RF) power output level by reading the input signal power. This Automatic Gain Control (AGC) Technology, Teletronics' patented technology effectively making the RF amplifiers "Plug & Play" delivers the maximum output power at various input levels while keeping the distortion at a minimum.

Technical Information

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| Features | 500mWatt Outdoor |
| Operatin Range | 2400-2500 MHz |
| Operating Mode | Bi-Directional, TDD |
| Transmit Gain | up to 22dB |
| Frequency Response | +/- 1dB |
| Output Power | 500mW (+27dBm) |
| TX Input Power | 3dBm (2mW) min, 23dBm (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 = 600 mA, Rx = 80 mA @ 7.5V DC |
| Operating Temperature | -40°C to + 70°C |



Item# 12-205

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.