



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.



Item# 12-205

Technical Information

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