



802.11g (OFDM) 500mW Outdoor 2.4GHz

This 802.11g 500mW amplifier is Teletronics' latest development under the Bi-Directional RF Amplifier product line. These amplifiers are especially designed for excellent signal linearity with a low noise figure to achieve the maximum throughput allowed in the OFDM spectrum. Reliable and cost-effective, this achievement would allow you to increase the range of your wireless link and with only 10dBm input power, you can achieve 27dBm (500mW) OFDM output power.



Item# 12-234

Designed for extending the range of 2.4 GHz wireless radio devices, this amplifier is particularly effective when used with Direct Sequence Spread Spectrum (DSSS), Frequency Hopping Spread Spectrum (FHSS), and 802.11g Orthogonal Frequency Division Multiplexing (OFDM) radio modems.

Technical Specifications

Features:	802.11g 500mW Outdoor
Operating Range:	2400 - 2500 MHz
Operating Mode:	Bi-Directional, TDD
Transmit Gain:	17 dB
Frequency Response:	+/- 1dB
Output Power:	500mW (+27dBm)
TX Input Power:	10dBm
Receiver Gain:	15dB Typical
Noise Figure:	3.5dB Typical
LED Indicators:	RED: Solid On: Power and Receiving mode/ Off: No Power GREEN/ORANGE: Blinking: Transmitting
Connectors:	N-Type Female 50 Ohm
Lightning Protection:	Quarter Wave Technology
DC Surge Protection:	600Watts TVS@ 12VDC
Power Consumption:	Tx = 1.2A, Rx = 130 mA @ 9VDC4
Operating Temperature:	-40°C to + 70°C
Dimensions:	4.25" L x 3.25" 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.