



5.8GHz 500mW Amplifier

5.8GHz Series

RF Amplifier 5.8 GHz Series, 500 mW Outdoor Version

Designed for extending the range of 5.8 GHz wireless radio devices, the AMP5800 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.

Also available with the state of the art smart functions in 900 MHz and 2.4 GHz bands in several power options. Ideal to increase the range of low power devices like LAN Cards, low power radio modems.

OEM, Military & Export Version



Item# 12-501

Technical Specifications

Features:	500mWatt Outdoor
Operating Range:	5725-5875 MHz
Operating Mode:	Bi-Directional, TDD
Transmit Gain:	17 dB
Frequency Response:	+/- 1dB
Output Power:	500mWatt
TX Input Power:	1 mW (0dBm) min up to 100mW (20dBm) max
Receiver Gain:	12 dB Typical
Noise Figure:	3.5 dB 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:	Direct DC Ground at antenna
DC Surge Protection:	600Watts TVS@ 12VDC
Power Consumption:	Tx: 0.5 A @ 9V DC, Rx: 0.15 A @ 9V DC
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.