



Bi-Directional Amplifier

1 Watt Version 5.8GHz Series

AMP5800 (1Watt Outdoor)

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.

This specially designed outdoor unit with its low Noise Amplifier(LNA) give optimum performance when installed at the antenna. Also available with the state of the art smart functions in 900 MHz and 2.4 GHz bands in several power options.



Item# 12-502

Technical Specifications

Features:	1 Watt Outdoor
Operating Range:	5725-5875 MHz
Operating Mode:	Bi-Directional, TDD
Transmit Gain:	16 dB
Frequency Response:	+/- 1dB
Output Power:	1 Watt
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@ 9VDC
Power Consumption:	1.1 A @ 9 VDC
Operating Temperature:	-30°C to + 70°C