



12-234

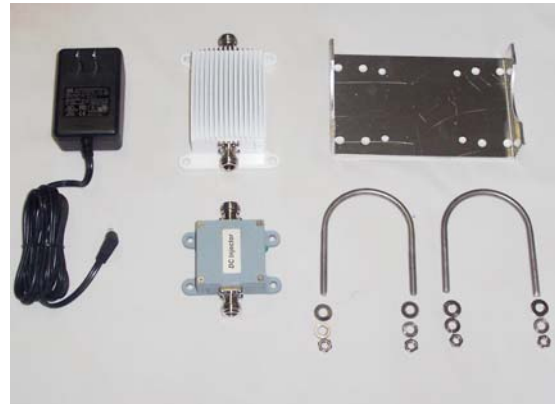
2.4GHz 500mW 802.11g Bidirectional Amplifier

Data Sheet 051709

Amplifiers are used to extend the range of radio devices by increasing effective transmit and receive gain. They are ideal for low power devices like LAN cards and radio modems. Common applications are to increase range where an omni antenna is being used as a base station or on a point-to-point link.

Main Features

- Designed for Direct Sequence Spread Spectrum (DSSS), Frequency Hopping Spread Spectrum (FHSS) and 802.11g Orthogonal Frequency Division Multiplexing (OFDM) radios.
- Low noise, bi-directional time division amplifier
- Amplifies both transmit and receive signal
- By mounting the outdoor amplifier adjacent to the antenna, it is effective in removing the effects of cable losses
- Outdoor unit includes amplifier, power injector, power supply, mounting plate and U-bolts
- Manufactured by Teletronics (USA).



Electrical Specifications

Frequency	2400-2500MHz
Operating mode	Bi-directional TDD
Transmit gain	17dB fixed
TX power output	500 milliwatt (27dBm) @ 10dBm input
TX power input	1mW (0dBm) min 30mW (15dBm) max
Receiver gain	15 dB typical
Noise figure	3.5dB typical
Frequency Response	±1.07 dB
Power consumption	Tx 1.2A @ 9V Rx 130mA @ 9V
Lightning protection	DC ground, quarter wave technology
DC surge protection	600W TVS @7.5VDC

Mechanical Specifications

Connectors	N-Female
Operating temperature	-40°C to 70°C
Total Weight	1Kg
Amplifier dimensions	115x75x28mm
Injector dimensions	90x50x28mm



Pacific Satellite Pty Ltd
12 George Road, PO Box 100
Salamander Bay, NSW 2317
AUSTRALIA



National Sales: 1800 001 081
Phone: 61 2 4982 0855
Fax: 61 2 4982 0566
www.pacsat.com.au
sales@pacsat.com.au