



# Ultra High Isolation 802.11a OFDM Amplifier

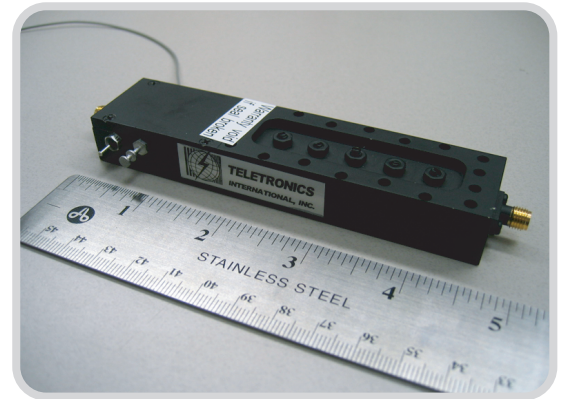
5.8GHz 0.5W (Rev. A)

## Ultra High Isolation Amplifier.

Designed to eliminate excessive interference caused by overuse of ISM channels.

## Link Quality.

This ultra high isolation amplifier will not only extend the distance of wireless communication, but also improve link quality. The out of band rejection is more than 60 dB @ fc +/- 620 MHz. It is the finest amplifier for ideal, high-speed, long-range communication systems. It is fully compatible with any 802.11a OFDM radio, such as Teletronics TT5800 series. In addition, this ultra high isolation amplifier can be integrated into any 5.8GHz system.



Item# 12-602

## Technical Specifications

<b>Features:</b>	0.5 Watt Indoor
<b>Operating Range:</b>	5725 - 5875 MHz
<b>Operating Mode:</b>	Bi-directional, TDD
<b>Transmit Gain:</b>	13 dB
<b>Frequency Response:</b>	+/- 1 dB
<b>Output Power:</b>	0.5 W
<b>TX Input Power:</b>	1mW (0dBm) min up to 25mW (14dBm) max
<b>Receiver Gain:</b>	15 dB typical
<b>Noise Figure:</b>	3.5 dB typical
<b>Out of Band Rejection:</b>	> 60 dB @ fc +/- 620 MHz
<b>TX/RX Bandpass Filter:</b>	Both
<b>Connectors:</b>	SMA-type, Female/Female, 50 Ohm
<b>DC Surge Protection:</b>	600 Watts TVS @ 5.5 VDC
<b>Power Consumption:</b>	0.8 A @ 5.5 VDC
<b>Operating Temperature:</b>	-30°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.

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