



## 5.8 GHz, 802.11a Amplifier Coax Series Item 58101 Rev B

Shireen's new generation of 5.8GHz Coax amplifiers are designed for OFMD radios and offer very linear performance. With peak output power of 2Watt (33dBm) these can be used as 500mW~1W amps for 802.11a equipment. These are the smallest bi-directional amplifiers in 5~6GHz with 2 watt peak power in the market today.



Being offered in patented outdoor enclosure, featuring:

- Smallest housing that does not require mounting
- Unique heat dissipation mechanism
- Field diagnostics and serviceability without tools
- Male/female gender for easy insertion
- Complete kit includes amplifier, DC injectors & power supply

### Specifications

**Electrical:**

Operating Range	5725 - 5875 MHz (4.9~6.0 GHz version available upon request)
Operating Mode	TDD, Time Division Duplex,
Transmit Power	33dBm Peak 500mW ~1 Watt for OFDM
Transmit Gain	25dB
Transmit input Power	0dBm min 10 dBm max
Receive Gain	22 dB
Noise Figure	3.5 dB
LED indicators (inside the cover)	Red for Receive; Green for Transmit
Power Consumption	Rx: 45mA Tx: 1.4A @ 6V DC
Operating Temp	-40 °C to + 70 °C

#### Absolute Minimum & Maximum values

RF input	0 dBm min	12dBm max
DC voltage	5.5V DC	14 V DC



**Mechanical:**

	Amplifier	DC Injector
Dimension	4.1" long , 1.1" diameter	3.5" x 2.2" x 1.1"
Enclosure	Watertight, machined housing	Indoor, machined AL housing
Connectors	Type N male / female	Type N Females
Weight	10 Oz.	6 Oz.