



5.8 GHz, 802.11a Amplifier Coax5800

Shireen's latest innovation in amplifier technology. Low cost high performance 5.8 GHz Coax amplifiers. This smallest bi-directional amplifier is now available in 250mW 802.11a and 1 watt versions.

Being offered in patent pending 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
- Aerodynamic design for low wind resistance



The complete set includes:

1. The Outdoor Coax Amplifier,
2. DC injector, and
3. Universal power supply (110~240VAC to 6V DC)

Specifications

Electrical:

Model	802.11a 250mw	1W non OFDM
Operating Range	5725 - 5875 MHz (5.15~5.25 GHz version available upon request)	
Operating Mode	TDD, Time Division duplex,	
Transmit Power	250mW	1 watt
Transmit Gain	10 dB	20 dB
Transmit input Power	-3dB min 17 dB max	-3dB min 15 dB max
Receive Gain	17 dB	17 dB
Noise Figure	3.5 dB	3.5 dB
LED indicators (inside the cover)	Red for Receive Green for Transmit	
Power Consumption	Rx: 110mA Tx: 850mA @ 6V DC	Rx: 110mA Tx: 1A @ 6V DC
Operating Temp	-40 °C to + 70 °C	



Mechanical:

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