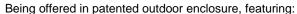


5.8 GHz, 802.11a Amplifier <u>Coax Series</u> Item 58101 Rev B

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.



- 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:

Liecti icai.		
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.