

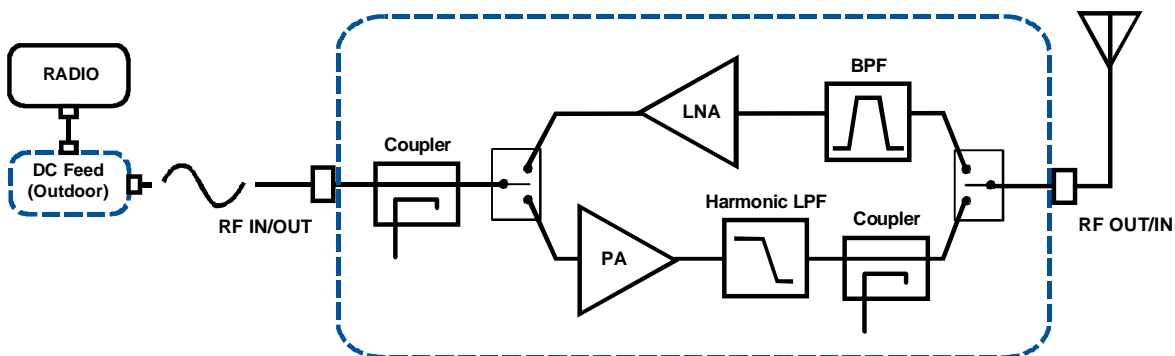


The Antennafier™ 915 L Series now offers up to 4 Watts of Output Power. These Bi-Directional Amplifiers are AGC compensated, providing maximum output power at the antenna over a wide RF input range. An antenna amplifier significantly improves the link reliability and operating range by providing Low Noise Amplification in Receive Mode, and Spectrally Clean Power Amplification during Transmit. High Q filtering in both the TX and RX paths give exceptional co-site performance in high traffic areas.

Featured Highlights:

- Compatible with FH, BPSK, QPSK and OFDM modulation
- Power Output: .5 to 4 Watts (P1dBm=+36dBm)
- RX Gain: 10dB
- High Q filtering in both TX/RX paths
- Fast RF switching times
- Low transmit harmonics
- Transmit AGC (Automatic Gain Control)
- Ultra Low Receive Noise Figure
- Internal Lightning Protection
- TX/RX LED Indicator
- Automatically RF sense switch between TX/RX modes of operation
- Rugged weatherproof housing

ANTENNAFIER™ 915 L SERIES BLOCK DIAGRAM



The marketing, sale, and use of power amplification devices are governed by and subject to Part 15 of the Rules and Regulations of the Federal Communications Commission. Such devices may only be sold to parties assembling certified RF transmission systems consisting of an intentional radiator, an external radio frequency power amplifier, and an antenna.

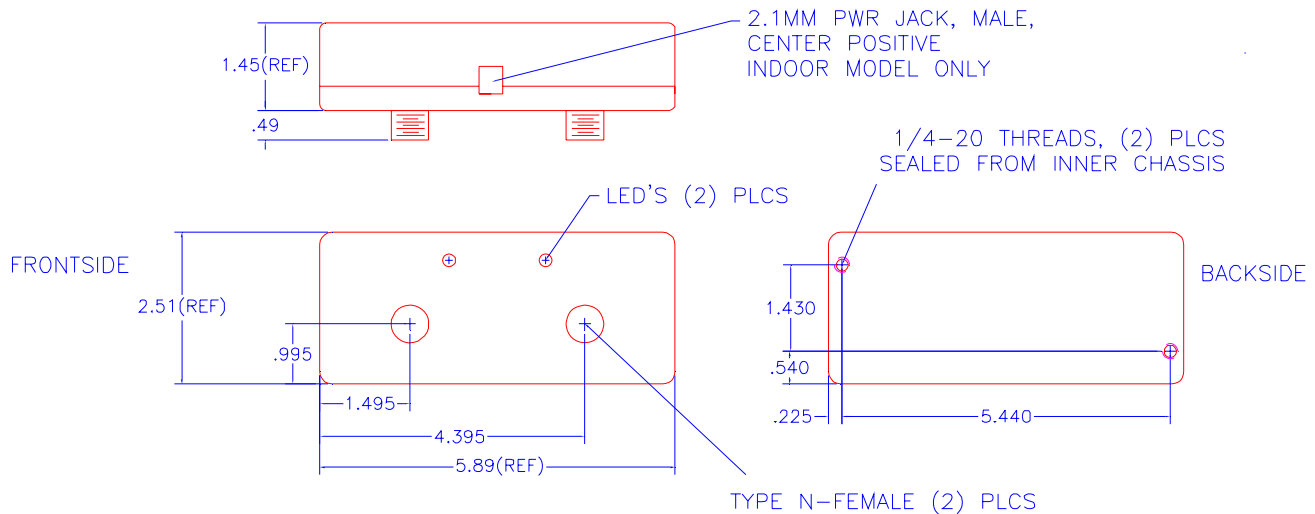
9017 Cincinnati Columbus Rd.
West Chester, Ohio 45069
PH: 513-777-2774

Typical Performance Parameters

Frequency:	F = 902-928 MHz	
Supply Voltage:	+12 VDC +/- 5%	
	Indoor Unit Connector:	2.1mm I.D. (+), 5.5mm O.D. (-)
	Outdoor Unit:	comes with DC Injector
Transmit :	AGC Gain:	Automatically adjusts to specified Power Output
	Maximum Power Output:	P1dBm=+36dBm
	RF Input Power:	+15 dBm to +30 dBm
	Harmonic Rej at 1W Output:	2Fo > 70 dBc ; >3Fo 66dBc
	Supply Current:	< 2.5A
	RX to TX Switching:	< 500 nSec
Receive :	RX gain:	10dB +/- 2 dB (Pin < -12dBm)
	Noise Figure:	<2.5 dB
	Supply Current:	< 400 mA
	TX to RX Switching:	< 400nSec
Maximum Ratings:	Pin (Radio Port):	+30 dBm
	Pin (Antenna Port):	+30 dBm
System Filtering:	6 Poles of Internal High Q, Coaxial Filtering in receive front-end and harmonic filtering in TX path provides maximum dynamic RF range and superior cosite performance from Pager & Cellular interference.	
Size / RF Connectors:	2.5" x 5.9"x 1.45" ("N" type Female Connectors)	
Weight:	< 15 oz	
Chassis:	Watertight Die-cast Aluminum with tough black powder paint. To enhance reliability, indoor models are coated with conformal coating and outdoor models are potted. The two 1/4" mounting holes in back of unit are for mounting and do not require sealing.	
Indicator LED:	Green LED -Receive Mode, Red LED-Transmit Mode	
Lightning Suppression:	1/4 wavelength short	

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Mechanical Outline



Ordering Guide

<u>Series</u>	-	<u>Power</u>	<u>Description</u>
915 LX		4 W (+36dBm) 2 W (+33dBm) 1 W (+30dBm) 0.5 W (+27dBm)	Kit includes: Outdoor Rated Amplifier, DC Feed, +12VDC@5A Power Supply, V block Mounting Bracket, Stainless Steel Hardware and Instruction Sheet.
915 LE		4 W (+36dBm) 2 W (+33dBm) 1 W (+30dBm) 0.5 W (+27dBm)	Kit includes: Indoor Rated Amplifier, +12VDC@5A Power Supply, Mounting Bracket, Stainless Steel Hardware and Instruction Sheet.

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