

HyperLink Wireless brand 900 MHz 5 Watt Bi-Directional OFDM Outdoor RF Amplifier with Active Power Control - Model: HA905-DM

Features

- Compatible with High Data Rate OFDM Radios
- Active Power Control
- Transmit and Receive LEDs
- Machined Aluminum Construction
- Includes DC Injector and Mast-Mount Hardware



Description

HyperAmp® HA905-DM series RF amplifiers are compatible with 900 MHz wireless LANs. The HA905-DM series amplifiers are designed to be compatible with high data rate radios utilizing Orthogonal Frequency-Division Multiplexing (OFDM) modulation in the 900 MHz band. Hyperlink's Active Power Control circuit automatically adjusts the amplifier's gain to provide a constant output power regardless of cable length, radio transmit power, temperature shifts or equipment aging.

The HyperAmp® HA905-DM series improves range by delivering full transmit power and receive gain directly at the antenna where it is most effective. This gain compensates for cable losses and actually increases the receive sensitivity of most wireless LAN radios. The unit can be configured to deliver the full transmit power with as little as 5 mW of input power, permitting cable runs of several hundred feet with no degradation in operating range.

Outdoor Model

The HA905-DM models feature rugged, machined aluminum weather-proof construction to ensure years of reliable operation in the harshest environments. Included with the outdoor models, the DC Power Injector provides power to the HyperAmp® through the antenna cable, simplifying installation. Current-sensing circuits provide remote amplifier diagnostic LEDs. In addition, this unit provides effective lightning protection with multi-strike capability.



Product Availability

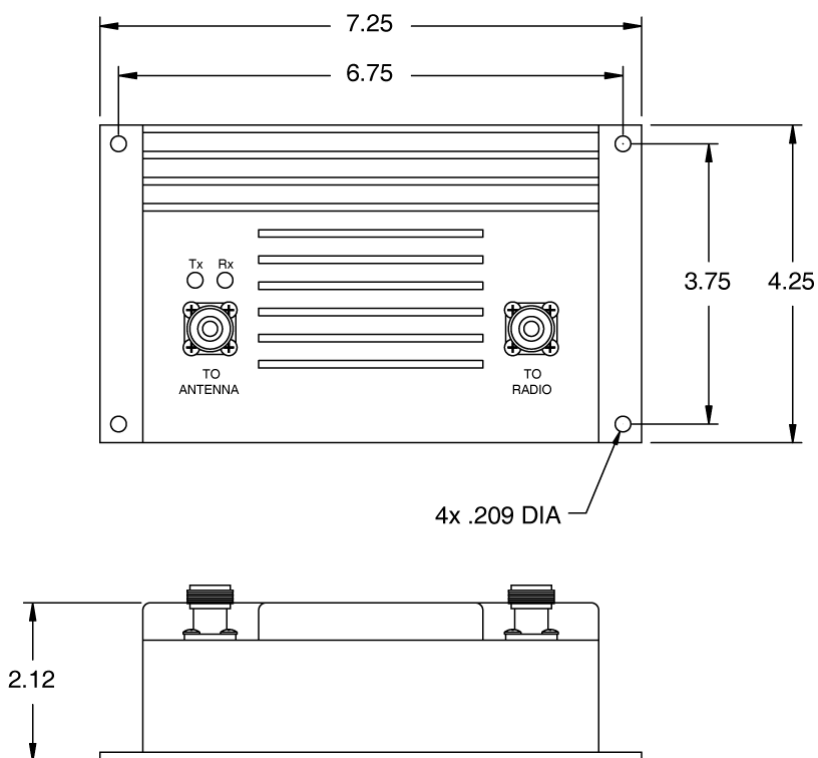
Amplifier products are available for export, military, licensed amateur radio (ham radio) and OEM component sales only and as part of complete FCC Certified Systems. Individual RF amplifier products are not offered for sale in the USA.

Note:

This Hyperlink bi-directional amplifier is designed for burst half-duplex operation. It is not intended for constant transmit, CW or high duty cycle operation. Operation of the amplifier in CW or high duty cycle modes will damage the amplifier and void the warranty.

Specifications

Transmit Power	5 Watt (37 dBm)
Frequency	902 - 928 MHz
Receive Gain	15 dB
Max. Input Power	100 mW (20 dBm) (Call for higher input levels)
Operating Mode	Bi-directional, half-duplex Time Division Duplex. Senses RF carrier from transmitter and automatically switches from receive to transmit mode
Water Resistant Rating (Outdoor Models)	IEC 60529 IPX7
Current Draw	4.5A Peak Tx and 0.12A Peak Rx
Supply Voltage	12VDC -1.5V / +1V
Operating Temperature	-40°C to 50°C (-40°F to 122°F)
Dimensions	7.25" x 4.25" x 2.12" (184 x 108 x 54 mm)
Weight	1.7 lbs. (.77 kg)
Note: When contacting HyperLink about purchasing a 900 MHz series amplifier, please be sure to have the radio manufacturer and model number that will be use with the amplifier.	



FCC Certification Support for OEMs

HyperLink offers full certification assistance services and engineering support for qualifying OEM's interested in certifying complete amplified WLAN systems. Please contact us for details.

Guaranteed Quality

HyperAmp® is designed and manufactured by HyperLink Technologies in the U.S.A. and is backed by Hyperlink's Limited Warranty.