



900 MHz, 25Watt Amplifier Outdoor unit

This high power, bi-directional amplifier is designed for 902~928 MHz radio products. Works equally well with all types of radios.

Designed in a completely weatherproof housing for all outdoor applications. The unit is powered over coax with DC injector.



Item # 90325

Salient Features:

- Transmit Gain:** The unit provides 20 dB of gain which can be reduced at factory.
- LNA:** The built-in Low Noise Amplifier with signal gain of 19 dB with a ultra low noise figure of only 1.2dB. Improves the receive sensitivity of remote equipment, while keeping noise level very low.
- Receive Filtering:** All radio equipment contain filter for receive path. The band pass filter on this amplifier gives added protection against out of band noise.
- Enclosure:** The unit is housed in machined, Anodized Aluminum enclosure, designed according to the location of critical components. With appropriate cavities and contacts the PCB performs optimally and **NO heat sink** is needed.
- DC Injector:** With only 0.8dB insertion loss, this DC injector is the lowest loss available anywhere. Enclosed in a specially designed machined aluminum housing.
- Warranty:** All Shireen's products come with 2-year warranty.

The complete set includes:

- The Outdoor Amplifier,
- DC injector, and
- Universal power supply (110~240VAC to 28 V DC)

Specifications

Electrical:

Operating Range	902 - 928 MHz
Operating Mode	TDD, Time Division duplex,
Transmit Power	44 dBm, 25 Watt
Transmit Gain	20 dB max
Transmit input Power	0 dBm min 24 dBm max
Receive Gain	26 dB
Noise Figure	1.2 dB
LED indicators	Red for Receive (Default mode) Green for Transmit
Power Consumption	260mA Rx, 1300 mA Tx @ 28VDC
Operating Temp	-40 °C to + 70 °C

Mechanical:

	Amplifier	DC Injector
Dimension:	6" x 3.5" x 1.2" (152.4mm x 88.9mm x 41.91mm)	1.4" x 3.5" x 1.0" (35.5mm x 88.9mm x 25.4)
Enclosure:	Watertight machined aluminum housing with Anodized finish	Machined aluminum housing with Anodized finish
Connectors:	Type N female	Type N female
Weight:	1.51 lb (685 g)	2 Oz. (134 g)