



2.4~6.0 GHz Bi-directional Amplifier Item# SHR58601-02 Outdoor Version with powered via DC injector

This wide band bi-directional amplifiers works from 2.4GHz thru 6GHz, including Military band of 4.4GHz. The unit offers high speed switch circuit to allow high speed data radios.. The peak transmit power of this amplifier is 41dBm.

For OFDM radios, the peak power goes down for better EVM.

Packaged in outdoor watertight housing with power over Coax.

Also available in PCB form to OEM customers.



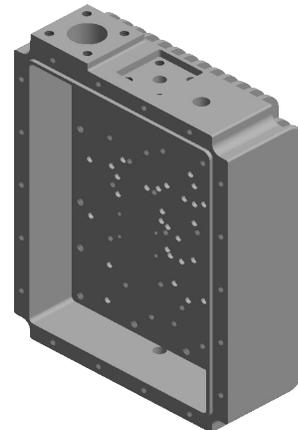
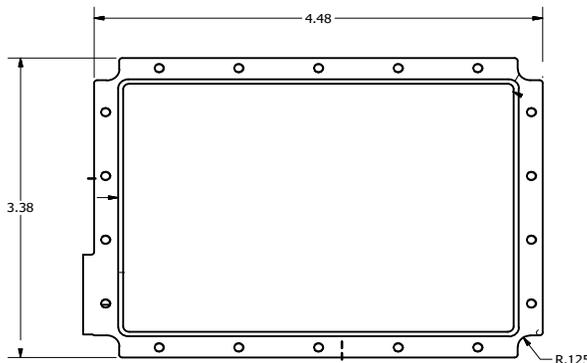
Specifications

Electrical:

Operating Range	2400 - 6000 MHz
Operating Mode	TDD, Time Division duplex,
Transmit PeakPower	41dBm +/- 1
Transmit Gain	16 dB +/- 2 (28dB optional)
Transmit input Power	3dBm min 20 dBm max
Receive Gain	20~22 dB
T/R Switching speed	< 1 μ s
Noise Figure	\leq 5 dB
LED indicators	Red for Receive (Default mode) Green for Transmit
Power Consumption	150mA Rx, 2.0A Tx @ 28 VDC
Operating Temp	-40 °C to + 70 °C

Mechanical:

Outdoor CNC machined Al enclosure:	
Dimension	5.7 x3.3 inch, 1.4" high (Including connectors)
Weight	18.5 Oz



All amplifier products are entirely made in USA.

