



# 225~370MHz Bi-Directional Amplifier

## 3.5 Watt

### Item # 70610

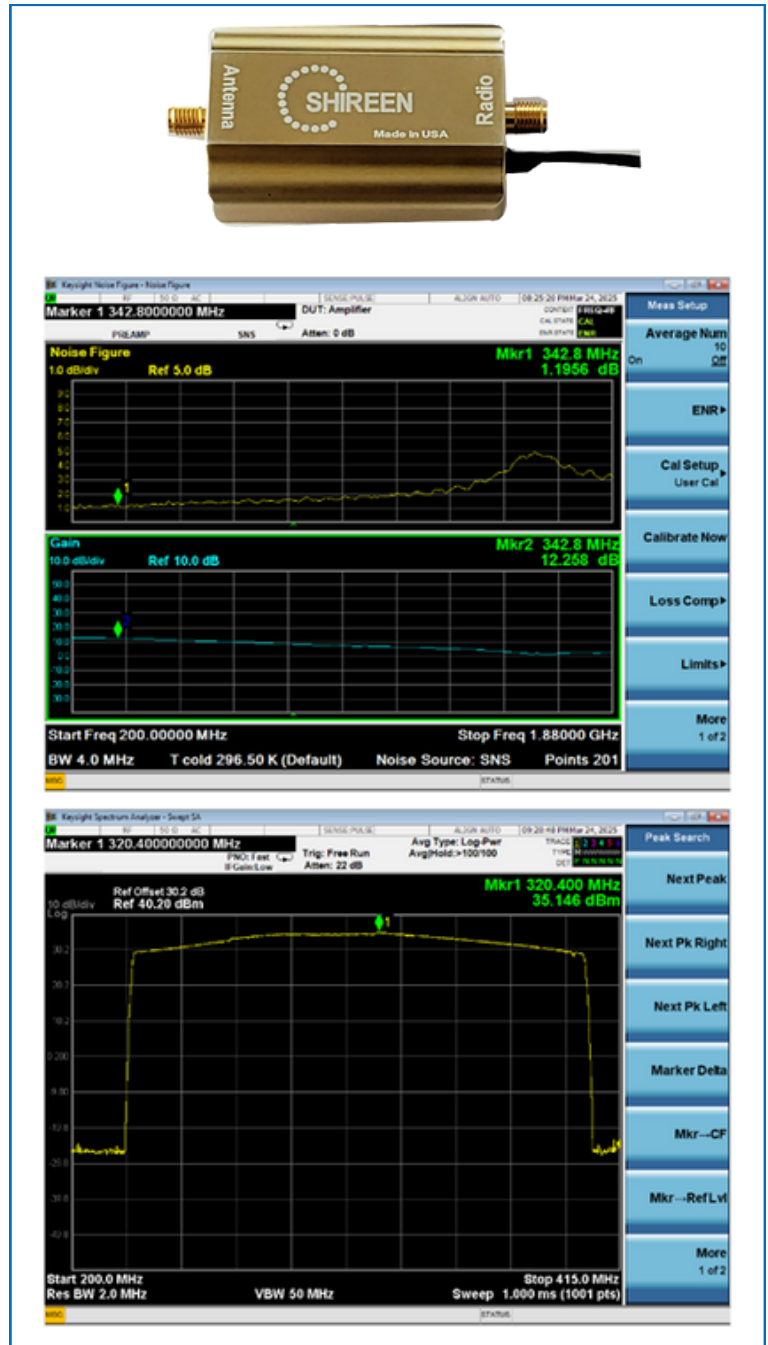
With 2"x 1.4", the smallest and most efficient 3.5 watt amplifier available for 225~370MHz Band.

This unit consumes so little power, that it can be powered via USB\* cable, (optional). Simply power it via USB port and connect with the radio device.

A highly efficient amplifier that consumes only 50mA of power during Rx mode. It can be powered via regulated 5V DC or unregulated 6~12V DC. The unit comes with a 6V DC power supply.

Salient features include:

- 3.5Watt peak output power
- 20dB Tx gain
- High-speed TX switching
- Highly efficient in power consumption
- Made in the USA



### SPECIFICATIONS

#### Electrical

Operating Range	225~370 MHz
Operating Mode	TDD, Time Division Duplex
Transmit Power	3.5W (35.5dBm)
Transmit Gain	20dB ± 1.5 dB (30dB Optional)
Tx Input Power	0dBm mini±1dBm, Max 15dBm
Switching Speed	Less than 1µs
Rx Gain	12dB (20dB Optional)
Noise Figure	1.2dB
LED Indicators	Red for Rx, Green for Transmit

Power Consumption Rx: 50mA, Tx:1A @6V DC

Operating Temperature -40°C to + 70°C

### MECHANICAL SPECIFICATIONS

Dimensions	2.55" x 1.35" (including connectors)
RF Connector	SMA Females
DC Input	Via DC Jack 2.5mm or 12" flying head
Weight	2 Oz

