



320~480MHz Bi-Directional Amplifier

3.5 Watt

Item # 70630

With 2"x 1.4", the smallest and most efficient 3.5 watt amplifier available for 320~480MHz 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:

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

SPECIFICATIONS

Electrical

Operating Range	320~480 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

