



1350~1650MHz Bi-Directional Amplifier

2 Watt

Item # 70620

With 2"x 1.4", the smallest and most efficient 2 watt amplifier available for 1350~1650MHz 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:

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

SPECIFICATIONS

Electrical	
Operating Range	1350~1650 MHz
Operating Mode	TDD, Time Division Duplex
Transmit Power	1-2W (33dBm)
Transmit Gain	20dB ± 1.5 dB
Tx Input Power	0dBm mini±1dBm, Max 15dBm
Switching Speed	Less than 1µs
Rx Gain	12dB
Noise Figure	1.5dB
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

