



4.4~5.0GHz High Power Bidirectional Amplifier 50W Watt Peak

Designed for military band TDD radios working in 4.4GHz thru 5.0GHz band.

A linear bi-directional amplifier that supports OFDM modulations and can be used for output power of 1Watt through 50Watt by controlling the input power.

Due to the high RF power outputs these units are only offered for sale to Military, OEM, Licensed or overseas customers.



Item # 44001

Specifications

Operating Range	4400 - 5000 MHz
Operating Mode	TDD, Time Division duplex,
Transmit Power	47dBm, 50 Watt
Transmit Gain	18 dB, \pm 3dB
Transmit input Power	0dBm min 27 dBm max
Receive Gain	18 dB, \pm 3dB
Noise Figure	Less than 6
LED indicators	Red for Receive (Default mode) Green for Transmit
Power Consumption @ 28 V DC	200mA Rx, 5A Tx (max); Typical 3.5Amp
Operating Temp	-40 °C to + 65 °C

DC Power: 28 V DC

Mechanical:

Amplifier

Dimension:	4.0" x 6.1" x 1.0"
Enclosure:	CNC machined Al
Connectors:	Type N female for RF, Amphenol PT02A8-2P for power
Weight:	1 lb, 6.0 oz