

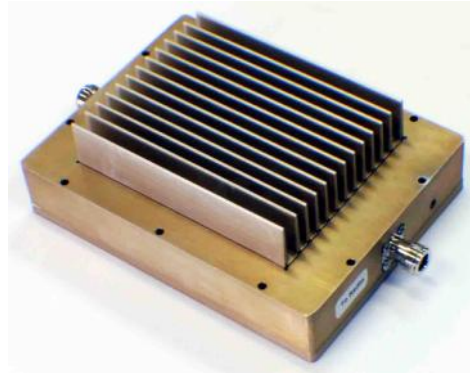


# 470~700MHz 30W Bidirectional Amplifier Item # 70470

A bi-directional amplifier for use in 470~700MHz band. Designed with the latest available components, the unit delivers 30Watt output at very high efficiency. Works with all TDD radios that require high speed switching between Tx and Rx modes.

Works well for all modulation schemes including OFDM.

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



## Specifications

Operating Range	470 - 700 MHz
Operating Mode	TDD, Time Division duplex,
Transmit Power	44.7dBm, 30 Watt
Transmit Gain	13dB +/-1dB (20dB Optional)
Transmit input Power	0dBm min 30 dBm max
Receive Gain	15dB +/-3dB, (Can be 30 dB with two LNA option)
Noise Figure	<3dB
LED indicators	Red for Receive (Default mode) Green for Transmit
Power Consumption @ 28 V DC	50mA, (100mA if RX Gain=30dB) @ Rx, Max 3A @ Tx (depending upon TX duty Cycle)
Operating Temp	-40 °C to + 65 °C

DC Power: 28 V DC 3A via power over coax with DC injector or 3ft Flying lead with bare end.

