

## 1765~2250MHz 20W Bidirectional Amplifier

## Item # 70-220

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A bi-directional amplifier for use in 1765~2250MHz band. Designed with the latest available components, the unit delivers 20Watt 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.



Operating Range Operating Mode Transmit Power Transmit Gain Transmit Input Power Receive Gain Noise Figure LED indicators Power Consumption @ 28 V DC 1765 - 2250 MHz TDD, Time Division Duplex, P1dB 43.8dBm, 24 Watt 12dB +/-2dB (22dB Optional) 0dBm min 30 dBm max 12dB +/-3dB, (20 dB optional) <3dB Red for Receive (Default mode) Green for Transmit 100mA @ Rx, Max 3A @ Tx (depending upon TX duty Cycle) -40 °C to + 65 °C 8.5"x4.8"x1" (Without Connectors)

Operating Temp Dimensions

DC Power:

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

File View 0	Channel	Sweep	Calibration	Trace	Scale	Marker	System	Window	v Help			
Power	Pov	Power Level 2.00 dBm				Level	Pov	Power ON/off Att			Slope	
821 20.00dB/ 0.00dB Log 812 20.00dB/ 0.00dB Log	M 80.0		1						1: 2: 3: > 4: 1: 2: 3: 4:	1.7650 1.9000 2.1000 2.2500 1.7650 1.9000 2.1000 2.2500	00 GHz 00 GHz 00 GHz 00 GHz 00 GHz 00 GHz	14.688 dB 13.260 dB 14.219 dB 11.076 dB 12.472 dB 11.860 dB 10.883 dB 9.5470 dB
	40.0 20.0				20 m				44			4 ∑
	-20.0	0									G	
	-60.( -80.(	26										
Chabura - C	_	n1: Start	1.76000 GHa				53,5				Stop 2	2.25500 GHz
Status CH 1: S21 C∆ Response LC											LUL	