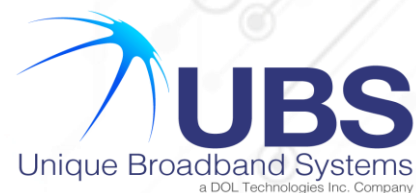


1000 – 2500 MHz 1000W CW Amplifier

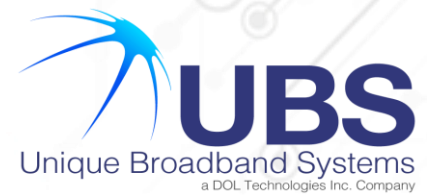


Product Specifications

Electrical				
Operating Frequency		BW	1000 - 2500	MHz
Rated Output Power		P_{sat}	1000	W
			60	dBm
Output Power @ 1dB Compression Point		P_{1dB}	725	W
Output Power @ 3dB Compression Point		P_{3dB}	925	W
Input Power for Rated Output		P_{in}	1	mW
			0	dBm
Small Signal Gain			60	dB
Small Signal Gain Flatness		ΔG	± 1.5	dB
Gain Adjustment Range			20	dB
3 rd Order Intercept Point		IP_3	66	dBm
Spurious			-70	dBc
Harmonic Distortion @ 1000W		H_2, H_3	-20	dBc
Noise Figure		NF	12	dB
Input Impedance		Z_{in}	50	Ohm
			1.5:1	VSWR
Output Impedance		Z_{out}	50	Ohm
			1.5:1	VSWR
AC Power	Voltage		100 - 240	VAC
	Frequency		47 - 63	Hz
	Consumption @ P_{sat}	P_D	3800	W

Mechanical			
Dimensions (W x H x D)		56.1 x 97.8 x 82.5	cm
		22.1 x 38.5 x 32.5	in
Weight		150	kg
		330	lb

1000 – 2500 MHz 1000W CW Amplifier



Product Specifications

Interfaces	
RF Input	N-type (female) 50Ω
RF Output	7/8 EIA (female) 50Ω
RF Sample (optional)	N-type (female) 50Ω
RS-232	9-pin subminiature D (female)
USB 2.0	Type B
Ethernet	RJ-45
Interlock	15-pin subminiature D (female)

Environmental	
Ambient Operating Temperature	+5°C to +40°C
Ambient Storage Temperature	-20°C to +50°C
Relative Humidity	5% to 95%, non-condensing @ +40°C
Altitude	3000 m (10000 ft.)
Acustical Noise @ 1m (from the front)	68 dBA
Cooling	Forced Air with Integrated Blowers