

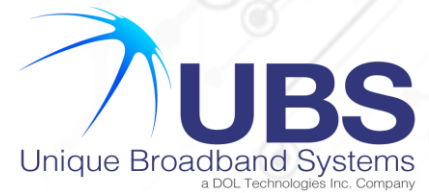
100 – 1000 MHz 2000W CW Amplifier

Product Specifications

Electrical				
Operating Frequency	BW	100 - 1000	MHz	
Rated Output Power	P_{sat}	2000	W	
		63	dBm	
Output Power @ 1dB Compression Point	P_{1dB}	1600	W	
Output Power @ 3dB Compression Point	P_{3dB}	1800	W	
Input Power for Rated Output	P_{in}	1	mW	
		0	dBm	
Small Signal Gain		63	dB	
Small Signal Gain Flatness	ΔG	± 2.0	dB	
Gain Adjustment Range		25	dB	
3 rd Order Intercept Point	IP_3	70	dBm	
Spurious		-65	dBc	
Harmonic Distortion @ 2000W	H_2, H_3	-20	dBc	
Noise Figure	NF	8	dB	
Input Impedance	Z_{in}	50	Ohm	
		1.5:1	VSWR	
Output Impedance	Z_{out}	50	Ohm	
		1.5:1	VSWR	
AC Power	Voltage (specify)	200 - 240 or 360 - 435	VAC	
	Frequency	47 - 63	Hz	
	Consumption @ P_{sat}	P_D	9000	W

Mechanical		
Dimensions (W x H x D)	56.1 x 175.3 x 97.6	cm
	22.1 x 69.0 x 38.4	in
Weight	218	kg
	480	lb

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Interfaces	
RF Input	N-type (female) 50Ω
RF Output	1-5/8 (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)	59 dBA
Cooling	Forced Air with Integrated Blowers