

RADITEK

ISM Band 1000 Watts

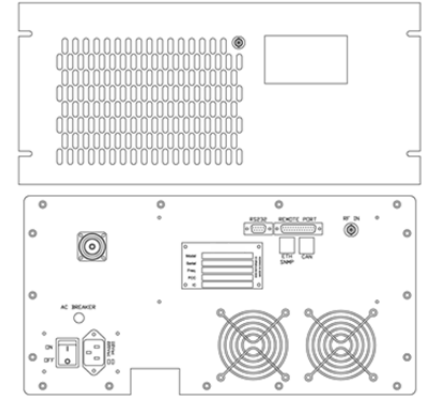
ISM Band Amplifier 20-500MHz (SSPA)



60dB Gain, 500 Watts to 1 Kilowatt

Industrial, Scientific, and Medical.

- Full color touchscreen display
- Linear solid state design
- Ultra efficient switching power supply
- Built in monitoring and control (remote port, Ethernet, SNMP)
- Field proven reliability
- High efficiency gain stages
- CW, pulsed, and modulated applications
- 2 Year Warranty



Order Examples: RAMP-20-500M-Nf-60d-1KW-t15

Description: (High Power Amplifier (SSPA), ISM band, 20-500MHz, N female Connectors, 60dB Gain, 1 Kilowatt)

Specifications		Units	
RF Characteristics		500W	1000W
Frequency Range		Broadband VHF 20 - 500 MHz (others available upon request)	
Input Power		0 dBm (for rated output power)	
Power Level Adjustable 0 to100%		up to 500-watts CW (+57dBm)	up to 1000-watts CW (+60dBm)
Power Gain		57 dB	60 dB
Gain Flatness across BW		+/- 3.0 dB AGC off, +/- 0.8 dB AGC on	
Input Impedance		50 Ω into amplifier, BNC female (others available)	
Input Return Loss		> 20 dB typical	
Output Impedance		50 Ω , Type-7/16 Din female (others available)	
RF Sample		50 Ω , BNC female	
Modulation		CW, FM, QAM, pulse, etc.	
Harmonics		> 15 dBc typical (even and odd)	
Spurious Emissions		> 60 dBc typical	
Mechanical Features			
Minimal Rack Space		Power Amplifiers with Internal Power Supplies: 5U (8.75") x 25"D x 19"W	
Lightweight Enclosures		Aluminum	
Operating Temperature		-10 to +50°C	
Humidity		95%, non-condensing	
Cooling		Integrated forced air cooling (optional liquid cooling)	
Electrical Characteristics			
Flexible AC Input		180-264Vac single-phase, 208Vac nominal (others available upon request)	
AC Consumption		1,800 V-A typical (at 500 kW CW) single phase	
Interface			
DB25 Remote Port	Control	RF carrier on/off, RF power up/down, reset	
	Monitor	Forward/reflected RF level, control PCB Vcc	
	Flags	Amplifier overdrive, VSWR (adjustable trip point), high temperature	
Ethernet	Control	RF carrier on/off, RF power up/down, AGC/manual mode, change VSWR trip point, reset	
	Monitor	Forward/reflected RF level, DC pallet voltage, RF input level, temperature, VSWR trip point, model/serial number	
	Flags	Carrier on/off, amplifier overdrive, DC pallet voltage, VSWR, RF input level, temperature, AGC/manual status	
SNMP	Control	RF carrier on/off, RF power up/down, AGC/manual mode, change VSWR trip point, reset	
	Monitor	Forward/reflected RF level, DC pallet voltage, RF input level, temperature, pallet current, attenuation, run time, RF fault, model/serial number	
	Flags	Amplifier overdrive, VSWR, temperature, SNMP error	

RAMP-20-500M-xd-Nf-500-1000W-Generic-t15

Specifications may be subject to change

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ISM Band High Power Amplifier (SSPA), Broadband, 20-500MHz 57dB Gain, 7/16 Din female Connector, 500-1000Watts Power

