

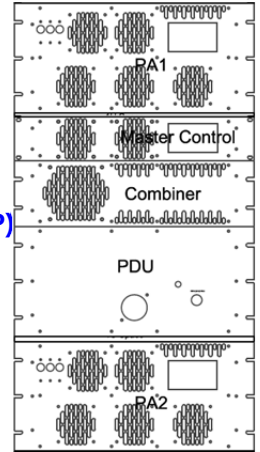
RADITEK

ISM Band 6 Kilowatts Max

ISM Band Amplifier 81.25 MHz (± 1) 4 to 6 Kilowatts

Industrial, Scientific, and Medical.

- Full color touchscreen display
- Linear solid state design (SSPA)
- 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-81.25M-66d-BNCf-4KW-t15

Description: (High Power Amplifier, ISM Band, 81.25 MHz, 66dB Gain, BNC Female Connectors, 4 Kilowatts)

Additional option: 6 Kilowatts @ 67.785dBm

Specifications		Units
RF Characteristics		
Center Frequency	81.25MHz (± 1 MHz BW)	
Frequency Range	80.25 -82.25MHz(other frequencies available upon request)	MHz
Input Power	0 dBm (for rated output power)	dBm
Power Level	Adjustable 0 – 100% up to 6000-watts CW (+67.785dBm)	watts CW
Power Gain	66dB to 67.785dB	dB
Gain Flatness across BW	+/- 1.0 dB AGC off, +/- 0.8 dB AGC on	dB
Input Impedance / Connectors	50 Ω into amplifier, BNC female (others available)	
Input Return Loss	> 15 dB typical	dB
Output Impedance / Connectors	50 Ω , Type- 1-5/8" EIA (others available)	
RF Sample	50 Ω , BNC female	
Modulation	CW, FM, QAM, pulse, etc.	
Harmonics	> 30 dBc typical (even and odd)	dBc
Spurious Emissions	> 60 dBc typical	dBc
Mechanical Features		
Minimal Rack Space	(2) x Power Amplifiers with Internal Power Supplies: 5U x 25"D x 19"W (1) x Combiner Interface: 3U x 25"D x 19"W (1) x Power Distribution Unit for AC Distribution: 5U x 25"D x 19"W	
Lightweight Enclosures	Aluminum	
Operating Temperature	-10 to +50°C	°C
Humidity	95%, non-condensing	
Cooling	Liquid cooled (optional forced air ball-bearing fans cooling)	
Electrical Characteristics		
Flexible AC Input	308 Vac three-phase (others available upon request)	Vac
Interface		
DB25 Remote Port	Control	RF carrier on/off, RF power up/down, locally or remotely 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, Water flow
	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-81.25M-xd-BNCf-4-6kW-t15

Specifications may be subject to change

08/06/18

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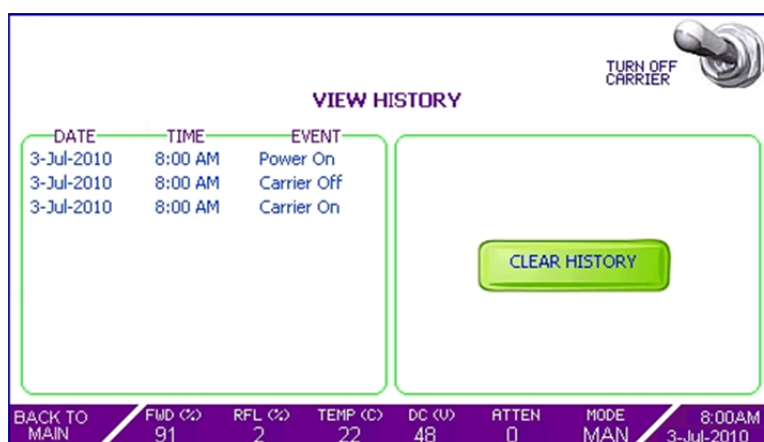
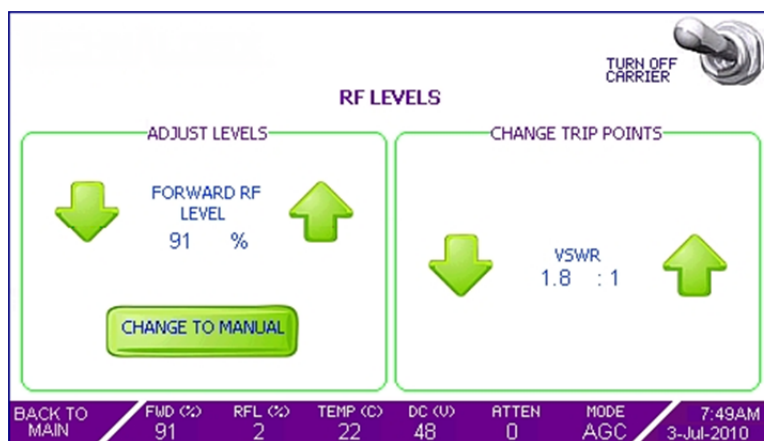
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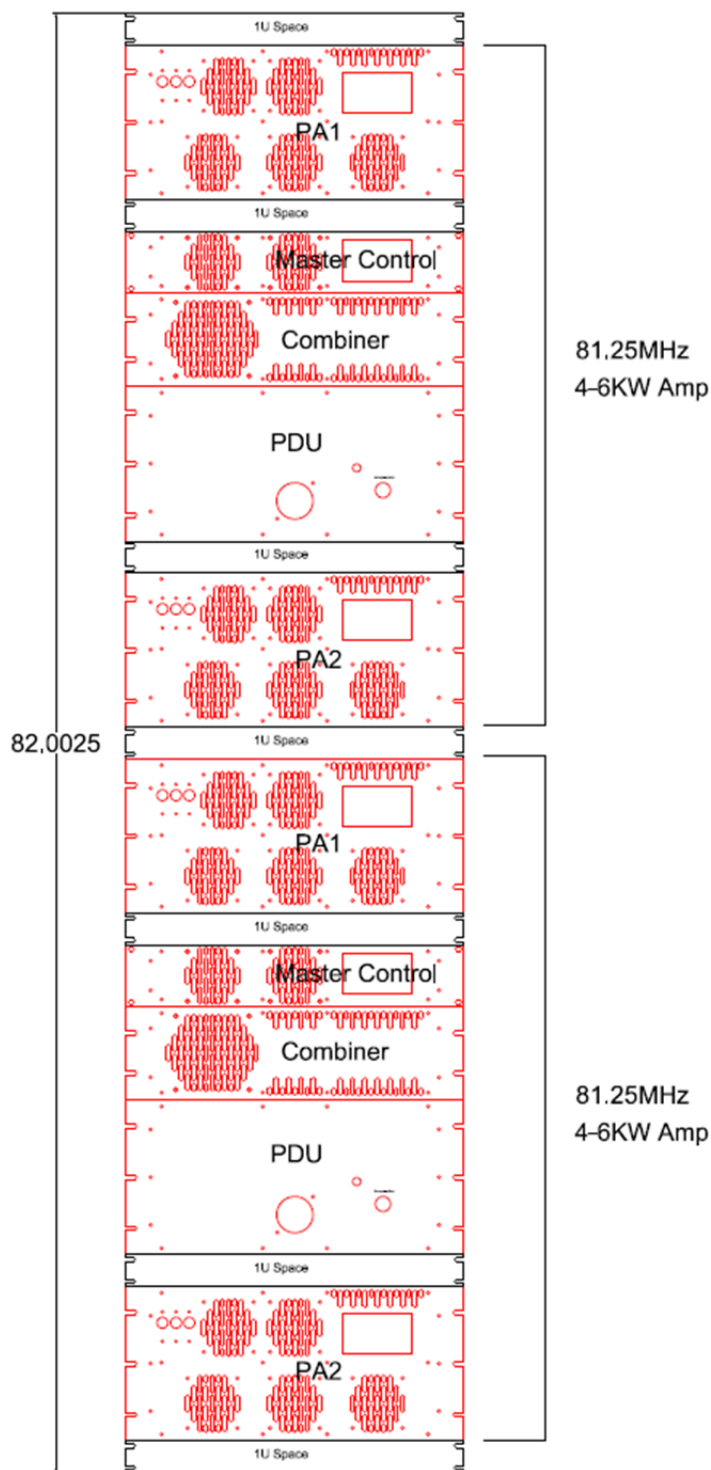
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High Power Amplifier, ISM Band, 81.25 MHz 67.785dB Gain Max, 1.5/8 Din female Connector, 4 kW or 6 kW Power



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