

RADITEK

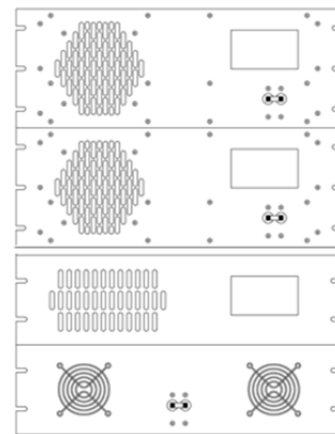
ISM Band 5 Kilowatts

ISM Band Amplifier 350MHz (SSPA)

55dB Gain, 5 Kilowatts

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



Order Examples: RAMP-350M-55d-BNCf-5KW-t15

Description: (High Power Amplifier, SSPA, ISM band, 350MHz, 55dB Gain, BNC female Connectors, 5 Kilowatts)

Specifications		Units
RF Characteristics		
Frequency Range	350 MHz (other frequencies available upon request)	MHz
Input Power	12 dBm (for rated output power)	dBm
Power Level	Adjustable 10 – 100% up to 5000-watts CW (+67dBm)	watts CW
Power Gain	55 dB	dB
Gain Flatness across BW	0.5 dB	dB
Input Impedance	50 Ω into amplifier, BNC female (others available)	
Input Return Loss	> 20 dB typical	dB
Output Impedance	50 Ω , Type-7/16 Din female out of each PA 1-5/8" EIA out of combiner	
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: 4U 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: 3U 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	200-240Vac single-phase (others available upon request)	Vac
AC Consumption	13,400 V-A typical (at 5 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-350M-55d-BNCf-5KW-t15

Specifications may be subject to change

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WORLD HQ: 1702L Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.

Tel: (408) 266-7404

FAX: (408) 266-4483

WEB: www.raditek.com

E-mail: sales@raditek.com

Solid State Power Amplifier, Broadband, 350MHz 55dB Gain, 7/16 Din female Connector, 5000Watts Power

