

RADITEK

SSPA - HF 500 Watts

Solid State Power Amplifier

80-1000MHz

500W (400W_{P1}) Power

Special Features include:

- Built in divider and combiner
- Remote monitoring with BITE



Order Examples: RAMP-R-80-1000M-57d(120-240VAc)-500W-d16

Description: SSPA, Rack, HF-band 80-1000MHz, 57dB Gain, 120-240VAC, 500Watts, 400W_{P1}

Specifications		Units
Frequency	80 to 1000	MHz
Output power	500	Watts min
Output Power	400W over the operating frequency range, at 1-dB compression	Watts min
Input power	1 (for the rated output.)	mW Max
Gain Flatness	2	dB Max
Gain	57	dB Min
Type	Class A or Push-Pull	
Remote capabilities	GPIB/IEE-488, RS-232, USB 2.0	
Safety interlock connector	Subminiature D 15 pin	
Weight	90/ (200)	Kg/ (lb) Max
Mismatch tolerance	100% of rated power up to 6.0:1 load mismatch	
Able to protect itself and operate with any load impedances including direct short and open load impedances		
Third order intercept point	63	dBm Min
Modulation capability	Able to faithfully reproduce AM, FM, and Pulse modulation - on the input signal	
Noise figure	10	dB Max
Harmonic	-20	dBc Max
Input impedance	50	Ω ohms
Output impedance	50	Ω ohms
Primary power voltage	120 to 240	V _{AC}