



1 -100MHz, 150W Rack Mount Power Amplifier
MtronPTI P/N: PA6477Rack Mount

FEATURES

- Rack mounted system
- Class AB linear Solid-State design
- Instantaneous wide bandwidth
- Suitable for all single channel modulations standards
- Built-in protection circuits
- High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	1 - 100 MHz	
Power Output @ Psat	150 Watt	CW
Power Gain	52 dB Min	
Power Gain Flatness	4.0 dB p-p Max	Constant input power
Input Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	>30 dBc Typ	41dBm/Tone, Δ = 1MHz
Harmonics	>20 dBc Typ	At rated output power
Non Harmonics Spurious	60 dBc Min	
Operating Voltage	100 - 240 VAC	
Power Consumption	700 Watt Max	At rated Pout
Input Power Protection	+8 dBm Max	<10 Seconds Nominal input is 0dBm
Load VSWR Protection	∞ : 1	< 1Minute

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non Condensing
Shock & Vibrations	Normal truck transportation	

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 133 x 560 mm	3U - Excluding connectors
Weight	20 Kg. Max	
RF Connectors In / Out	Type-N Female	Front Panel Standard
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	Variable speed
Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485 with GPIB Interface	Remote Bluetooth application



1 -100MHz, 150W Rack Mount Power Amplifier
MtronPTI P/N: PA6477Rack Mount
OUTLINE DRAWING

