



AMP4022 SOLID STATE HIGH POWER AMPLIFIER

FEATURES

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



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	8.0 - 12.0 GHz	
Power Output	300 Watt Min / 350 Watt Typ	CW
Power Gain	54 dB Min	
Power Gain Flatness	3 dB p-p Max	Constant input power
Input / Output Return Loss	10 dB Min	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	30 dBc Typ	44dBm/Tone, $\Delta = 1\text{MHz}$
Harmonics	>30 dBc Typ	At rated output power
Non Harmonics Spurious	>60 dBc	
Operating Voltage	180 - 240 VAC	
Power Consumption	2000 Watt Max	At rated Pout
Max Input Power	+5 dBm	Without damage
Load VSWR Protection	5 : 1	

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non Condensation

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 222 x 600 mm	5U - Without handles
Weight	35 kg.	
RF Connectors In / Out	Hi Frequency SMA / WR90	Rear Panel
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling	Variable speed
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, Optional GPIB Interface	Remote Bluetooth application Upon Request

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OUTLINE DRAWING

