



AMP2116 SOLID STATE HIGH POWER AMPLIFIER

FEATURES

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



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	0.5 - 6.0 GHz	
Power Output @ Psat	350 Watt Min	-2dB Typ @ 0.5-0.7GHz
Power Gain	56 dB Min	
Power Gain Flatness	4 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	46dBm/Tone, $\Delta = 1\text{MHz}$
Harmonics	>20 dBc Typ	At rated output
Non Harmonic Spurious	60 dBc Min	
Operating Voltage	180 - 240 VAC	
Power Consumption	3500 Watt Max	At rated output
Max Input Power Protection	+3 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	482 x 311 x 600 mm	R7U rack mount chassis
Weight	-	
RF Connectors In/Out	Type-N Female	Front Panel Standard
AC Power / Interface	MS3102E-2209 / 9-Pin D-Sub	Or equivalent
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

AMP2116 SOLID STATE HIGH POWER AMPLIFIER

OUTLINE DRAWING

