



AMP2012C SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Rack mounted system
Class AB linear LDMOS design
Instantaneous RF & VHF bands wide bandwidth coverage
Suitable for all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	2 - 100 MHz	
Power Output	2000 Watt Min	CW
Power Gain	63 dB Min	
Power Gain Flatness	3.0 dB p-p Max	
Input Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	53dBm/Tone, $\Delta = 1\text{MHz}$
Harmonics	-20 dBc Typ	
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	8000 Watt Max	At rated Pout
Input Power Protection	+8 dBm Max	<10 Sec without damage
Load VSWR Protection	5 : 1 Max	<1 minute at rated Pout

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

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 311 x 600 mm	7U
Weight	40 Kg. Nom	
RF Connectors In/Out	Type-N female / 7/16 female	Front or rear panel
AC Power	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Built in Fan Cooling	Variable speed
OPTION: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	Remote Bluetooth application



AMP2012C SOLID STATE HIGH POWER AMPLIFIER

OUTLINE DRAWING

