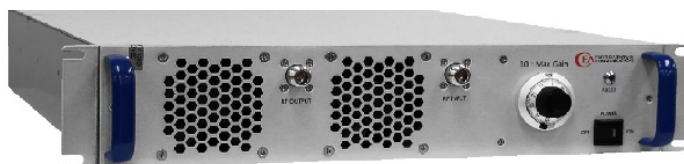


AMP2067 SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Designed for EMI/RFI, lab, CW/Pulse and all communication applications.
Small form factor, rack mounted system
Class A/AB linear design
High power advanced technology devices
Instantaneous ultra-wide bandwidth
Built-in protection circuits, with extensive monitoring
High efficiency, with unprecedented reliability and ruggedness



ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	0.5 - 1000 MHz	
Power Output @ Psat	10 Watt Min	CW
Power Gain	40 dB Min	0dBm or less for rated Pout
Power Gain Flatness	4.0 dB p-p Max	Constant input power
Gain Adjustment Range	20 dB Min	
Input Return Loss	-10 dB Max	
2-Tone Intermodulation (IMD)	<-30 dBc Typ	30dBm/Tone, Δ = 1MHz
Harmonics	<-20 dBc Typ	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	100 Watt Max	At rated Pout
Input Power Protection	+8 dBm Max ¹	<10 Sec without damage
Load VSWR Protection	∞ : 1 ²	<1 minute at rated Pout

1 Units with optional digital monitor and control, for basic units <10 Sec without damage

2 Units with optional digital monitor and control, for basic units <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	up to 95 %	Non-condensing
Altitude	3000 meters	
Shock & Vibration	Normal transport ³	

3 MIL Spec available for quotation

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	430 x 88 x 562 mm	2U, excluding handles
Weight	9 kg.	
RF Connectors In/Out	Type-N Female	Front or rear panel
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent/rear panel
Cooling	Built in Fan Cooling	Variable speed
OPTIONAL: Digital Monitor & Control (DMC) FWD, REV, VSWR, GAIN, ALC, V & I, TEMP, Optional Safety Interlock (INT)	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface Open=STBY/Short=RFON	Available in a 3U chassis IEEE rear panel BNC-F rear panel

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OUTLINE DRAWING WITH LCD CONTROLLER

