AMP4066A-1LC
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Designed for EMI/RFI, lab, CW/Pulse and all EW 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
Local LCD & remote flexible interfaces
High efficiency, with unprecedented reliability and ruggedness

ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	26.5 - 40.0 GHz	
Power Output @ Psat	100 Watt Typ	CW or Pulse
Power Output @ P1dB	60 Watt Typ	
Power Gain	50 dB Min	0dBm or less for rated Pout
Power Gain Flatness	4.0 dB p-p Typ	Constant input power
Gain Adjustment Range	20 dB Min	Local or remote capable
Input / Output Return Loss	-10 dB Max	
2-Tone Intermodulation (IMD)	-30 dBc Typ	40dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ	At rated output power
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	180 - 260 VAC	47-63 Hz
Power Consumption	3500 Watt Max	At rated Pout
Input Power Protection	+3 dBm Max[1]	
Load VSWR Protection	4 : 1: Max[2]	Foldback @ preset limit
Sample Port (optional)	-50 dB	2.9mm K-Female

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	482 x 398 x 800 mm	9U, excluding connectors
Weight	45 Kg. Typ	
RF Conn. In / Out / Sample (optional)	(2.92) K-Female / WR28 / (2.92) K-Female	Rear Panel
Interface Connector	9-Pin D-Sub	Rear panel
AC Power	IEC 60320-C14	Or equivalent
Cooling: Built in Quiet-Cool	Close circuit Air-liquid cooling	
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	 IEEE rear panel BNC-F rear panel

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AVAILABLE SPECIAL OPTIONS

Parameter	Specification	Notes
Option FRS: Forward RF Sample	-50dB, Type K-Female	Front or rear panel
Option RRS: Reflected RF Sample	-40dB, Type K-Female	Front or rear panel
Option GPIB: GPIB remote control	GPIB IEEE-488 Remote capability	
Included CPM: Calibrated Power Monitoring (With purchase of Option DMC)	Offset correction entry for +/- 0.2dB accuracy	7-points standard[4]

4 Consult with factory if additional points would be required.

OUTLINE DRAWING