AMP2068DB-350LC
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Designed for broadband EMI/RFI, Lab, and IEC Testing applications
Small form factor, rack mounted system
Class A/AB Linear design
High Power Advanced technology devices
Instantaneous P & L Bands bandwidth
Built-in protection circuits, with extensive monitoring
Local LCD & remote flexible interfaces
High efficiency, with unprecedented reliability and ruggedness

ELECTRICAL SPECIFICATIONS: 25°C, 50Ω

Parameter	Specification		Notes
Band	**A**	**B**	Band switching @ 15mS Typ
Operating Frequency Range	400 - 1000 MHz	1000 - 2000 MHz	
Power Output @ Psat	350 Watt Min	350 Watt Min	CW or Pulse
Power Output @ P1dB	250 Watt Typ	250 Watt Typ	
Power Gain	56 dB Min	56 dB Min	0dBm or less for rated Pout
Power Gain Flatness	4 dB p-p Max		Constant input power
Gain Adjustment Range	20 dB Min		Local or remote
Input / Return Loss	-10 dB Max		
2-Tone Intermodulation (IMD)	-30 dBc Typ		46dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ		At rated Pout
Spurious	-60 dBc Max		Non-harmonic
Operating Voltage	200 - 240 VAC Nom		47 - 63Hz
Power Consumption	4000 Watt Max		At rated Pout
Input Power Protection	+10 dBm Max[1]		
Load VSWR Protection	4 : 1: Max[2]		Foldback @ preset limit
Sample Port (optional)	-50 dB		N-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	483 x 355 x 700 mm	8U, excluding handles
Weight	42 Kg.	
RF Connectors In/Out/Sample (optional)	Type-N Female	Front or rear panel
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling: Built in Quiet-Cool	Close circuit Air-liquid 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	 IEEE rear panel BNC-F rear panel

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AVAILABLE SPECIAL OPTIONS

Parameter	Specification	Notes
Option FRS: Forward RF Sample	-60dB, Type N-Female	Front or rear panel
Option RRS: Reflected RF Sample	-50dB, Type N-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	9-points standard[4]

4 Consult with factory if additional points would be required

OUTLINE DRAWING

SHOWN WITH DIGITAL CONTROLLER