

## AMP2090A-1LC 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 wide bandwidth

Built-in protection circuits, with extensive monitoring

Local LCD & remote flexible interfaces

High efficiency, with unprecedented reliability and ruggedness





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

### **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 <sup>3</sup>	

<sup>3</sup> MIL Spec available for quotation

### **MECHANICAL SPECIFICATIONS**

Parameter	Specification	Notes
Dimensions W x H x D	481 x 267 x 650 mm	6U, excluding connectors
Weight	40 Kg.	
RF Connectors In/Out/Sample	N-Female/716-Female/N-Female	Front or 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)	Ethernet RJ-45 TCP/IP, RS422/485, USB	
FWD, REV, VSWR, GAIN, ALC, V & I, TEMP,	Optional GPIB Interface	IEEE rear panel
Optional Safety Interlock (INT)	Open=STBY/Short=RFON	BNC-F rear panel

<sup>2</sup> Units with optional digital monitor and control, for basic units <1 minute at rated Pout



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## **AVAILABLE SPECIAL OPTIONS**

Parameter	Specification	Notes
Option FRS: Forward RF Sample	-50dB, 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 Option DMC Purchase)	Offset correction entry for +/- 0.2dB accuracy	7-points standard <sup>4</sup>

<sup>4</sup> Consult with factory if additional points would be required

## **OUTLINE DRAWING**

## SHOWN WITH OPTIONAL LCD DIGITAL CONTROLLER

