

AMP4024A-1 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





¹ 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 ³	

³ MIL Spec available for quotation

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	482 x 178 x 560 mm	4U - excluding handles
Weight	28 Kg. Max	
RF Conn. In / Out / Sample	N-Female	Front or Rear Panel
Interface Connector	9-Pin D-Sub	Rear panel
AC Power	IEC 60320-C14	Or equivalent
Cooling	Built in Fan Cooling	Variable speed
OPTIONAL: Digital Monitor & Control	Ethernet RJ-45 TCP/IP, RS422/485, USB	
FWD, REV, VSWR, GAIN, ALC, V & I, TEMP,	Optional GPIB Interface	
Safety Interlock (BNC Female on rear)	Safety Interlock, Open=STBY/Short=RFON	

² 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 HGP: High Gain Preamp	15-20dB added gain	70dB for high gain requirements
Option FRS: Forward RF Sample	-50dB, Type N-Female	Front or rear panel
Option RRS: Reflected RF Sample	-40dB, Type N-Female	Front or rear panel
Option SRI: SMA Female RF Input	SMA-Female RF Input	Front or rear panel
Option GPIB: GPIB remote control	GPIB IEEE-488 Remote capability	
Option DCP: DC Power	Various ranges available 24-48VDC	Auto-Ranging for most models
Included CPM: Calibrated Power Monitoring	Offset correction entry for +/- 0.2dB accuracy	7-points standard ⁴

⁴ Consult with factory if additional points would be required.

OUTLINE DRAWINGSHOWN WITH OPTIONAL LCD DIGITAL CONTROLLER

