



AMP4032A SOLID STATE HIGH POWER AMPLIFIER

FEATURES

- Class AB linear GaAsFET design
- Instantaneous wide bandwidth
- Designed for EMI/RFI, lab, and general communication applications
- Suitable for all single channel modulation standards
- Rack mounted system
- Local LCD & remote flexible interfaces
- High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

| Parameter | Specification | Notes |
|------------------------------|-----------------|--|
| Operating Frequency Range | 18.0 - 26.5 GHz | |
| Power Output CW | 10 Watt Min | |
| Power Output @ P1dB | 10 Watt Typ | Few frequency spots that could be marginal 10W |
| Power Gain | 40 dB Min | |
| Power Gain Flatness | 4.0 dB p-p Max | Constant input power |
| Input Return Loss | -10 dB Max | Relative to 50 Ohm |
| 2-Tone Intermodulation (IMD) | -30 dBc Typ | 30dBm/Tone, $\Delta = 1\text{MHz}$ |
| Harmonics | -20 dBc Typ | At rated Pout |
| Spurious | -60 dBc Max | Non-harmonics |
| Operating Voltage | 100 - 240 VAC | |
| Power Consumption | 220 Watt Max | |
| Input Power Protection | +3 dBm Max | 10 Sec without damage |
| Load VSWR Protection | 5 : 1 Max | <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 | 5 to 95 % | Non-condensing |

MECHANICAL SPECIFICATIONS

| Parameter | Specification | Notes |
|--|---|------------------------------|
| Dimensions W x H x D | 430 x 88 x 562 mm | 2U |
| Weight | 9 kg. | |
| RF Connectors In/Out | 2.9 mm (K / air type) Female | |
| AC Power / Interface Connector | IEC 60320-C14 / 9-Pin D-Sub | |
| Cooling | Built in Fan Cooling | |
| OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP | Ethernet RJ-45 TCP/IP, RS422/485 Optional GPIB Interface | Remote Bluetooth application |

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OUTLINE DRAWING

