



AMP2080A SOLID STATE HIGH POWER AMPLIFIER

FEATURES

- Instantaneous ultra-wide bandwidth
- Class AB linear LDMOS design
- Rack mounted system
- Designed for broadband EMI/RFI, Lab, Communication applications
- Suitable for all single channel modulation standards
- Built-in protection circuits
- High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

| Parameter | Specification | Notes |
|------------------------------|------------------|------------------------------|
| Operating Frequency Range | 10 KHz - 250 MHz | |
| Power Output | 25 Watt Min | CW |
| Power Gain | 44 dB Min | |
| Power Gain Flatness | 4.0 dB p-p Max | |
| Input Return Loss | -10 dB Max | Relative to 50 Ohm |
| 2-Tone Intermodulation (IMD) | <-30 dBc Typ | 34dBm/Tone, $\Delta = 1$ MHz |
| Harmonics | <-25 dBc Typ | At rated Pout |
| Spurious | -60 dBc Max | Non-harmonics |
| Operating Voltage | 100 - 240 VAC | |
| Power Consumption | 200 Watt Max | At rated Pout |
| Input Power Protection | +8 dBm Max | < 10 Sec without damage |
| Load VSWR Protection | $\infty : 1$ | <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 133 x 560 mm | 3U excluding handles |
| Weight | 15 Kg. Max | |
| RF Connectors In/Out | Type-N Female | Front Panel Standard |
| 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 | |

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OUTLINE DRAWING - SHOWN WITH LCD CONTROLLER OPTION

