

AMP6032 SOLID STATE HIGH POWER AMPLIFIER



FEATURES

- Ku-Band high power CW applications
- Rack mounted system
- Linear high power GaN design
- Built-in protection circuits
- High reliability and ruggedness

ELECTRICAL SPECIFICATIONS

| Parameter | Specification | Notes |
|----------------------------------|-----------------|------------------------|
| Operating Frequency Range | 14.0 - 14.6 GHz | Nominal |
| Power Output @ Psat | 150 Watt Min | CW |
| Power Gain | 52 dB Min | |
| Input / Output Return Loss | 10 dB Min | Relative to 50 Ohm |
| Harmonics | -30 dBc Max | At rated output |
| Non-Harmonic Spurious | -60 dBc Max | |
| Operating Voltage | 100 - 240 VAC | |
| Power Consumption per Duty Cycle | 1800 WattMax | At rated output |
| Max Input Power Protection | +3 dBm | <10 Sec without damage |
| Load VSWR Protection | $\infty : 1$ | Output isolator |

ENVIRONMENTAL CHARACTERISTICS

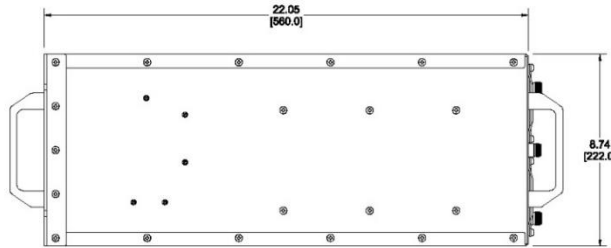
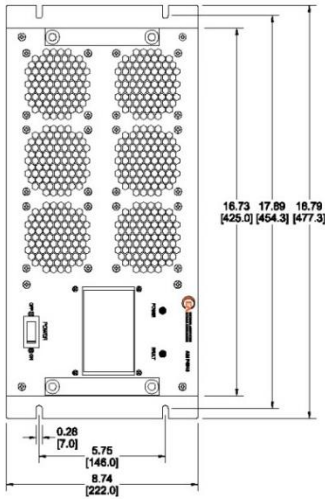
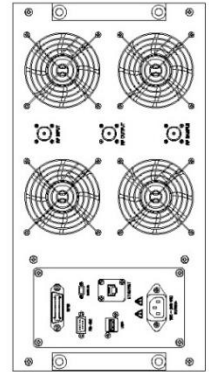
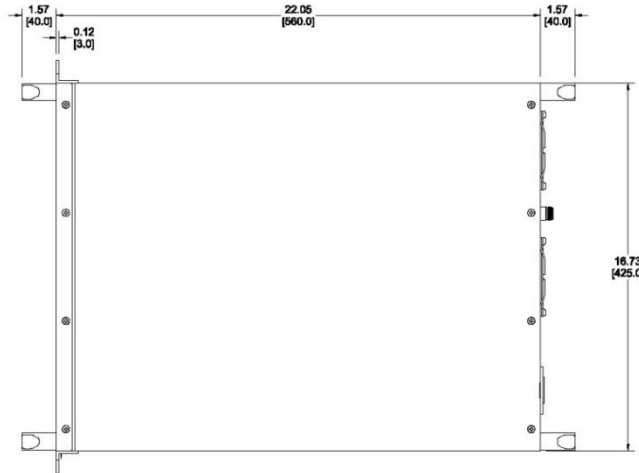
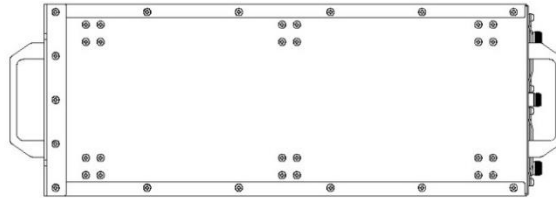
| Parameter | Specification | Notes |
|-------------------------------|---------------|------------------|
| Operating Ambient Temperature | 0 to +50°C | |
| Storage Temperature | -40 to +85 °C | |
| Relative Humidity | 5 to 95 % | Non-condensation |

MECHANICAL SPECIFICATIONS

| Parameter | Specification | Notes |
|--|---|----------------------|
| Dimensions W x H x D | 4U rack mount | Per outline drawing |
| Weight | 30 Kg. Max | |
| RF Connectors In/Out | Type-N Female / WR62 | Front Panel Standard |
| AC Power | IEC 60320-C14 / 9-Pin D-Sub | Or equivalent |
| Cooling | Built in Fan Cooling | Variable speed |
| 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 - With LCD Controller Option



- 5U System Outline (Rear Connectors Input N, Output N)

