# HD32102
# SOLID STATE HIGH POWER AMPLIFIER

**EATURES**

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



**ELECTRICAL SPECIFICATIONS**: 50Ω, 25°C

| Parameter | Specification | Notes |
|---|---|---|
| Operating Frequency Range | 18.0 - 26.5 GHz | |
| Power Output @ P1dB | 10 Watt Min | . |
| 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, Δ = 1MHz |
| Harmonics | -20 dBc Typ | At rated Pout |
| Spurious | -60 dBc Max | Non-harmonics |
| Operating Voltage | 100 - 240 VAC | |
| Power Consumption | 400 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**

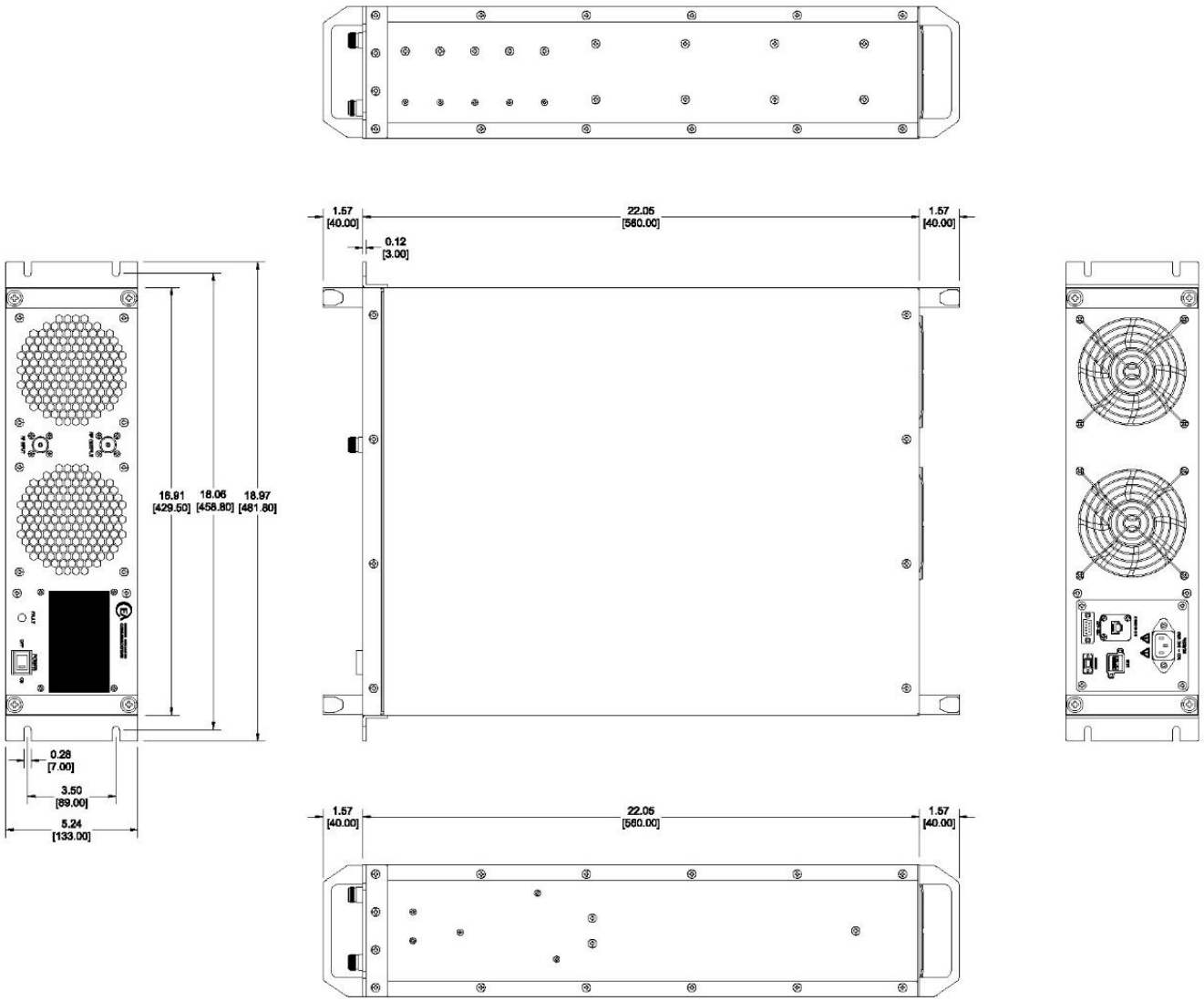
| Parameter | Specification | Notes |
|---|---|---|
| Dimensions W x H x D | 430 x 133.3 x 560 mm | 3U - excluding handles |
| Weight | 25 kg. | |
| RF Connectors In / Out | 2.9 mm K-female | Optional WR42 Output |
| AC Power / Interface Connector | IEC 60320-C14 / 9-Pin D-Sub | |
| Cooling | Built in Fan Cooling | |
| **OPTIONAL**: Digital Monitor & Control<br>FWD, REV, VSWR, GAIN, ALC, V & I, TEMP | Ethernet RJ-45 TCP/IP, RS422/485, USB<br>Optional GPIB Interface | |

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**OUTLINE DRAWING**




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