# HD32138
# SOLID STATE HIGH POWER AMPLIFIER

HD Communications Corp.

**FEATURES**

Rack mounted system
Class AB linear GaN hybrid design
Suitable for all single channel modulations standards
Built-in protection circuits
High reliability and ruggedness
Local and remote microprocessor controller



**ELECTRICAL SPECIFICATIONS**

| Parameter | Specification | Notes |
|---|---|---|
| Operating Frequency Range | 11 GHz ±0.25 GHz | |
| Power Output @ Psat | 150 Watt Min | CW |
| Power Gain | 52 dB Min | |
| Input Return Loss | 10 dB Min | Relative to 50 Ohm |
| 2-Tone Intermodulation (IMD) | >30 dBc Typ | 42dBm/Tone, Δ = 1MHz |
| Harmonics | >30 dBc Min | At rated Pout |
| Non Harmonics Spurious | 60 dBc Min | Non Harmonics |
| Operating Voltage | 100 - 240 VAC | |
| Power Consumption | 1500 Watt Max | At rated Pout |
| Max Input Power | +5 dBm | Without damage |
| Load VSWR Protection | 5 : 1 | |

**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**

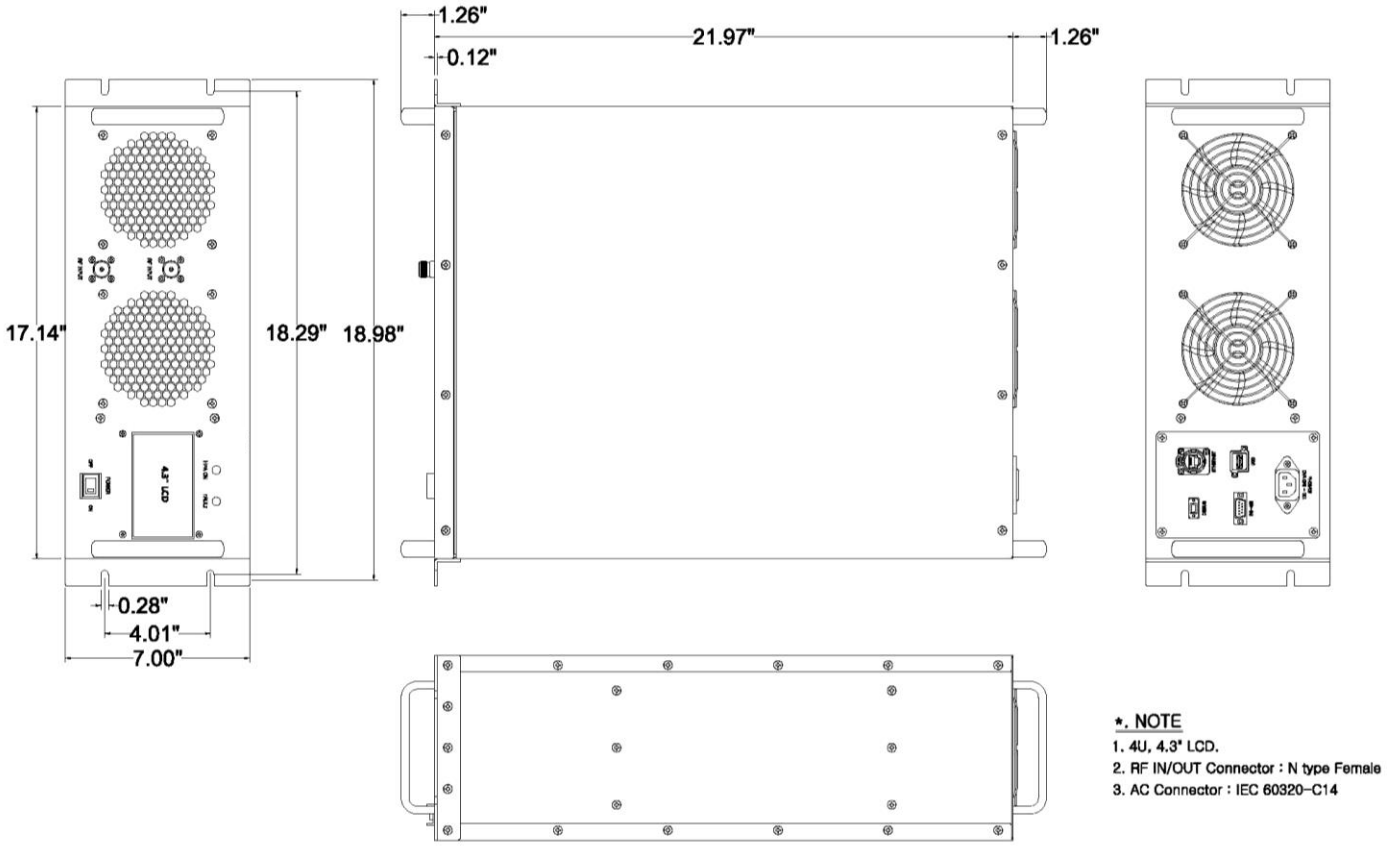
| Parameter | Specification | Notes |
|---|---|---|
| Dimensions W x H x D | 19” x 7” x 22” (483 x 178 x 580 mm) | R4U |
| Weight | 65 lb. Max | |
| RF Connectors In/Out | SMA female / Waveguide | |
| AC Power / Interface Connector | IEC 60320-C14 / 9-Pin D-Sub | |
| Cooling | Built in Fan Cooling | |
| **CONTROL:** ON/OFF, V & I, TEMP | Optional: Ethernet RJ-45 TCP/IP, RS422/485 | |

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**OUTLINE DRAWING (Shown with optional LCD)**




★. NOTE
1. 4U, 4.3" LCD.
2. RF IN/OUT Connector : N type Female
3. AC Connector : IEC 60320-C14

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