# HD35152
# SOLID STATE HIGH POWER AMPLIFIER

**FEATURES**

Designed for EMI/RFI, lab, CW/Pulse, and all communication applications.
Small form factor, Benchtop configuration, rack mounting optional
Class A/AB linear design
High power advanced technology devices
Instantaneous HF bandwidth
Built-in protection circuits, with extensive monitoring
High efficiency, with unprecedented reliability and ruggedness



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

| Parameter | Specification | Notes |
|---|---|---|
| Operating Frequency Range | 1 - 50 MHz | |
| Power Output @ P1dB | 10 Watt Typ | CW |
| Power Gain | 40 dB Min | 0dBm or less for rated Pout |
| Power Gain Flatness | 2.0 dB p-p Max | Constant input power |
| Input Return Loss | -10 dB Max | |
| 2-Tone Intermodulation (IMD) | <-30 dBc Typ | 30dBm/Tone, Δ = 1MHz |
| Harmonics | <-15 dBc Typ | At rated output power |
| Spurious | -60 dBc Max | Non-harmonics |
| Operating Voltage | 100 - 240 VAC | |
| Power Consumption | 100 Watt Max | At rated output |
| Input Power Protection | +8 dBm Max[1] | <10 Sec without damage |
| Load VSWR Protection | ∞ : 1[2] | <1 minute at rated Pout |

1 Units with optional digital monitor and control, for basic units <10 Sec without damage
2 Units with optional digital monitor and control, for basic units <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 | up to 95 % | Non Condensing |
| Altitude | 3000 meters | |
| Shock & Vibration | Normal transport[3] | |

3 MIL Spec available for quotation

**MECHANICAL SPECIFICATIONS**

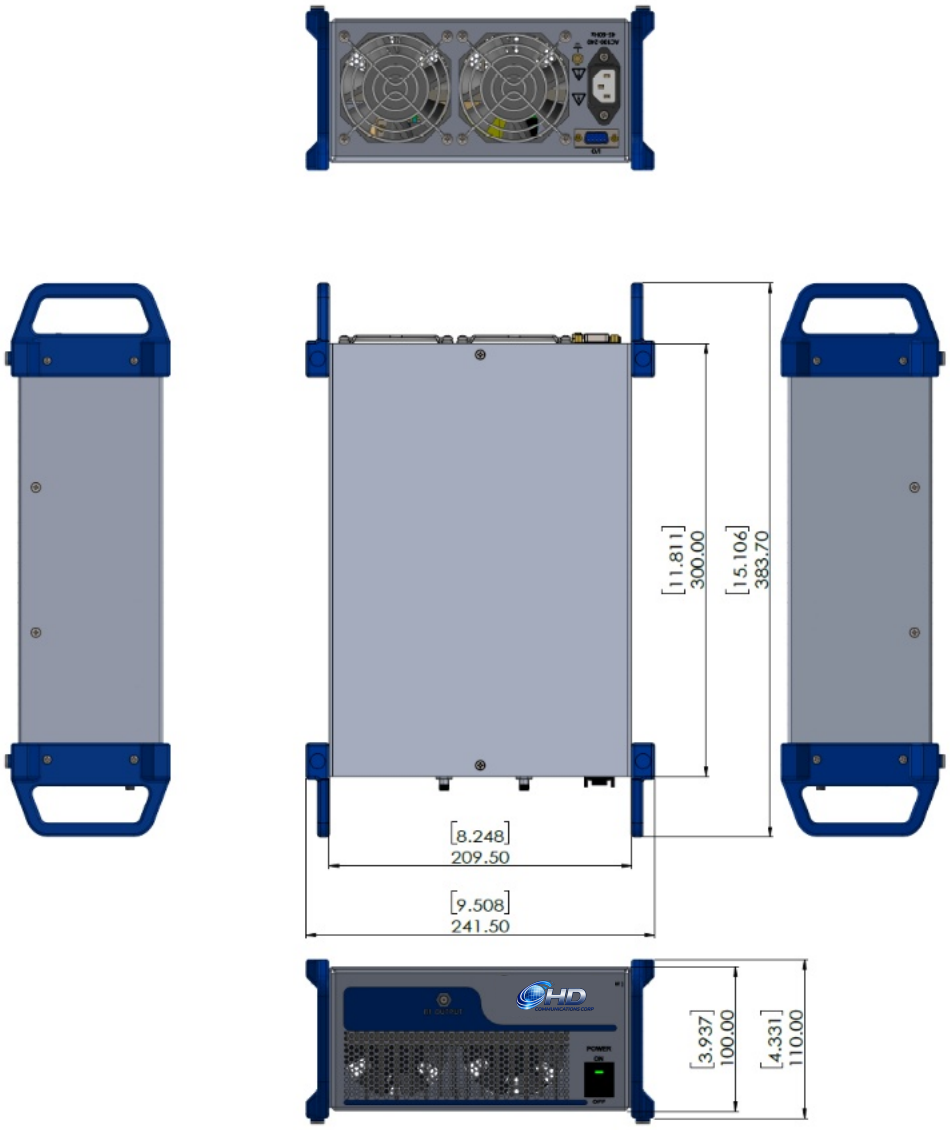
| Parameter | Specification | Notes |
|---|---|---|
| Dimensions W x H x D<br>Benchtop | 210 x 100 x 300 mm<br>242 x 110 x 384 mm | Excluding brackets<br>Including brackets |
| Weight | 8 kg. | |
| RF Connectors In/Out | Type-SMA Female | Front or rear panel |
| AC Power / Interface Connector | IEC 60320-C14 / 9-Pin D-Sub | Or equivalent/rear panel |
| Cooling | Built in Fan Cooling | Variable speed |
| **OPTIONAL:** Digital Monitor & Control (DMC)<br>FWD, REV, VSWR, GAIN, ALC, V & I, TEMP,<br>Optional Safety Interlock (INT) | Ethernet RJ-45 TCP/IP, RS422/485, USB<br><br>Open=STBY/Short=RFON | Available in a 3U chassis<br><br>BNC Female on rear panel |

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Specifications subject to change without notice.
Specifications and drawings may vary with selected options.

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## OUTLINE DRAWING
## BENCHTOP CONFIGURATION




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