# HD35283
# SOLID STATE MEDIUM POWER AMPLIFIER

**FEATURES**

Designed for EMI/RFI, lab, CW/Pulse and all communication applications.
Small form factor, Bench Top system
Class A linear advanced technology design
Suitable for all single channel modulation standards
Instantaneous ultra-broad bandwidth
Built-in protection circuits
Universal voltage AC power supply
High efficiency, with unprecedented reliability and ruggedness



**ELECTRICAL SPECIFICATIONS**

| Parameter | Specification | Notes |
|---|---|---|
| Operating Frequency Range | 9 KHz - 1.0 GHz | |
| Power Output @ Psat | 2 Watt Min | CW or Pulse |
| Power Output @ P1dB | >1 Watt Typ | |
| Linear Gain | 33 dB Min | 0dBm or less for rated Pout |
| Power Gain Flatness | ±2.0 dB Max | Constant input power |
| Input Return Loss | -10 dB Max | |
| Harmonics | -20 dBc Typ | At rated output power |
| Spurious | -60 dBc Max | Non-harmonics |
| Operating Voltage | 100 - 240 VAC | 47-63 Hz |
| Power Consumption | 50 Watt Max | At rated output |
| Input Power Protection | +8 dBm Max | Without damage |
| Load VSWR Protection | ∞ : 1 | |

**ENVIRONMENTAL CHARACTERISTICS**

| Parameter | Specification | Notes |
|---|---|---|
| Operating Ambient Temperature | 0 to +50 °C | |
| Storage Temperature | -40 to +70 °C | |
| Relative Humidity | up to 95 % | Non Condensing |
| Altitude | 3000 meters | |
| Shock & Vibration | Normal transport | |

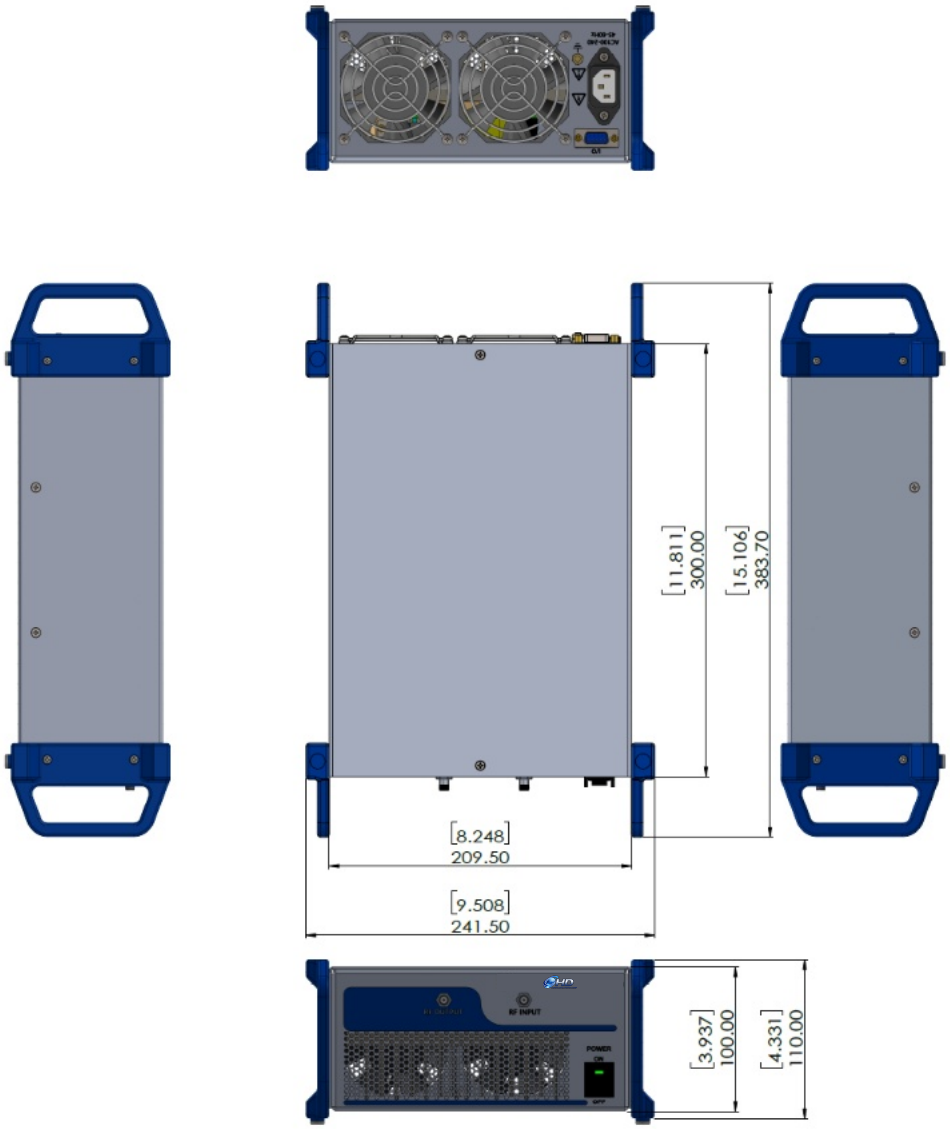
**MECHANICAL SPECIFICATIONS**

| Parameter | Specification | Notes |
|---|---|---|
| Dimensions W x H x D | 210 x 100 x 300 mm | Excluding brackets |
| Dimensions W x H x D (Benchtop) | 242 x 110 x 384 mm | Including brackets |
| Weight | 6 kg. | |
| RF Connectors In/Out | N Female or SMA Female | Front panel standard |
| AC Power / Interface Connector | IEC 60320-C14 / 9-Pin D-Sub | Or equivalent |
| Cooling | Built in Fan Cooling | |

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## OUTLINE DRAWING




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