HD35287
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 : 50Ω, 25ºC

Parameter	Specification	Notes
Operating Frequency Range	40 - 50 GHz	
Power Output @ Psat	+24 dBm Min	CW
Linear Gain	26 dB Typ	0dBm or less for rated Pout
Power Gain Flatness	±2.0 dB Max	Constant input power
Input Return Loss	-10 dB Max	
Noise Figure	10 dB Max	
Harmonics	-20 dBc Max	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	5 : 1 Max	<1 minute at rated Pout

ENVIRONMENTAL CHARACTERISTICS

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

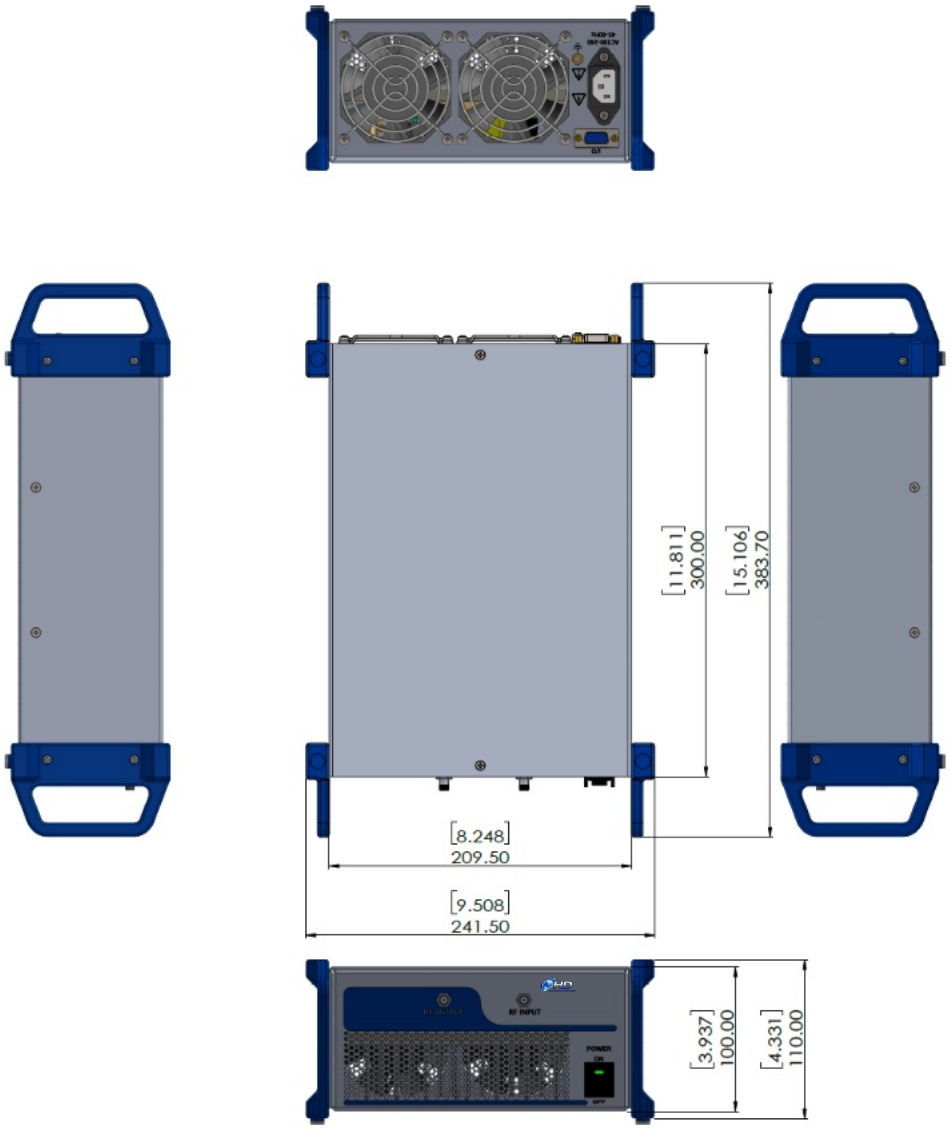
MECHANICAL SPECIFICATIONS

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

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OUTLINE DRAWING



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