HD35153
SOLID STATE HIGH POWER AMPLIFIER

FEATURES

Class A/AB linear GaN design
Rack mounted system
Instantaneous wide bandwidth
Suitable for broadband EMI/RFI, Lab, Comm., and EW applications
Suitable for pulse and all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness for mobile applications



ELECTRICAL SPECIFICATIONS : 50Ω, 25ºC

Parameter	Specification	Notes
Operating Frequency Range	0.5 - 2.0 GHz	
Power Output @ Saturation	300 Watt Typ	CW
Power Output @ P1dB	200 Watt Min	
Power Gain	54 dB Min	0dBm or less for rated Pout
Power Gain Flatness	3.0 dB p-p Max	Constant input power
Gain Adjustment Range	20 dB Min	Local or remote capable
Input / Output Return Loss	-10 dB Max	
2-Tone Intermodulation (IMD)	-30 dBc Typ	44dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ	At rated output power
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	180 - 240 VAC	50 - 60Hz
Power Consumption	1500 Watt Max	At rated Pout
Input Power Protection	+3 dBm Max[1]	
Load VSWR Protection	4 : 1: Max[2]	Foldback @ preset limit

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 ºC	
Storage Temperature	-40 to +85 ºC	
Relative Humidity	5 to 95 %	Non Condensing

MECHANICAL SPECIFICATIONS

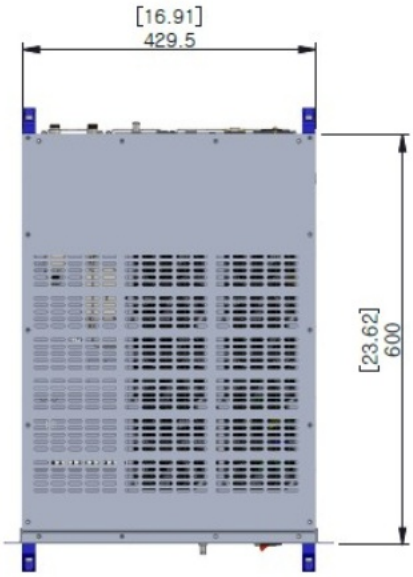
Parameter	Specification	Notes
Dimensions W x H x D	421 x 220 x 600 mm	5U, excluding handles
Weight	35 Kg	
RF Connectors In/Out	Type-N Female	Front or rear panel
AC Power / Interface	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Built in Fan Cooling	Variable speed
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	Optional Remote Bluetooth application

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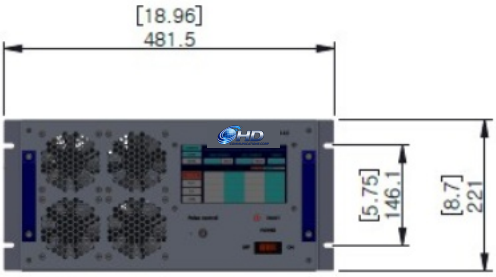
Specifications subject to change without notice.
Specifications and drawings may vary with selected options.

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OUTLINE DRAWING











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