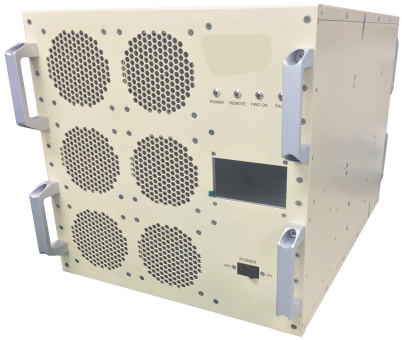
HD Communications Corp.

HD32818
SOLID STATE HIGH POWER AMPLIFIER



FEATURES

Class A linear design
Instantaneous wide bandwidth
Rack mounted system
Designed for EMI/RFI, lab, and general communication applications
Suitable for all single channel modulation standards
Local LCD & remote flexible interfaces
High reliability and ruggedness

ELECTRICAL SPECIFICATIONS: 50Ω, 25°C

Parameter	Specification	Notes
Operating Frequency Range	26.5 - 40.0 GHz	
Power Output CW	80 Watt Typ	
Power Gain	49 dB Min	
Power Gain Flatness	4.0 dB p-p Typ	Constant input power
Input Return Loss	-10 dB Max	Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ	38dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Max	At rated Pout
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	100 - 240 VAC	
Power Consumption	1600 Watt Max	
Input Power Protection	+3 dBm Max	<10 Sec without damage
Load VSWR Protection	5 : 1 Max	Auto Shutdown @ 5:1 load VSWR
Sample Port Coupling	-50 dB Nom	2.92mm-F

ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Ambient Temperature	0 to +50 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing
Shock & Vibration	MIL-STD-810E	Designed to meet

MECHANICAL SPECIFICATIONS

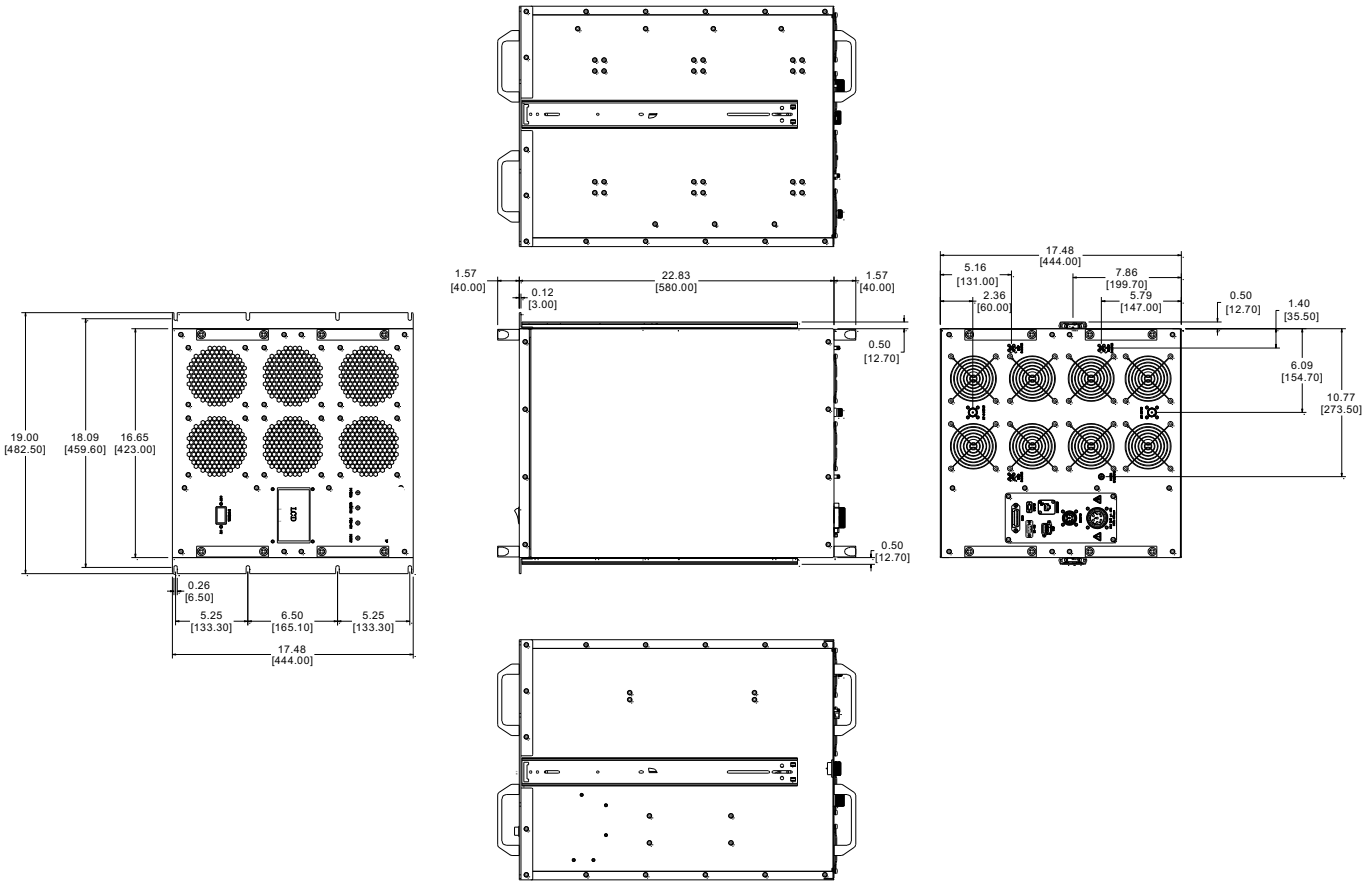
Parameter	Specification	Notes
Dimensions W x H x D	430 x 444 x 580 mm	10U - Excluding handles
Weight	40 Kg. Nom	
RF Connectors In / Sample Port / Output	2.92 mm-F / WR-28	Rear or front panel
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	Or equivalent
Cooling	Air-Cooled hybrid design	Built in pump
EMI SERIES: 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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OUTLINE DRAWING



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