



AMP2134DB SOLID STATE HIGH POWER AMPLIFIER

FEATURES

- Rack integrated system (Exodus AMP2080E-1 & AMP2115)
- Ultra-broadband, class A/AB linear LDMOS Amp designs
- Dual Band, internal RF switching for a common input and output connectors
- Suitable for all single channel modulation standards
- Built-in protection circuits
- High reliability and ruggedness



ELECTRICAL SPECIFICATIONS

Parameter	Specification		Notes
	A	B	
Band Designation			
Operating Frequency Range	10 kHz - 100 MHz	80 - 1000 MHz	
Power Output CW.	1000 Watt Min / 1200 Watt Typ		CW
Power Gain	60 dB Min / 62 dB Typ		
Power Gain Flatness	4.0 dB p-p Max		Constant input power
Input Return Loss	-10 dB Max		Relative to 50 Ohm
2-Tone Intermodulation (IMD)	-30 dBc Typ		50dBm/Tone, Δ = 1MHz
Harmonics	-20 dBc Typ		At rated Pout
Spurious	-60 dBc Max		Non-harmonic
Operating Voltage	3 x 208 VAC ±10 %		47 - 63 Hz
Power Consumption	6 KW Max	8 KW Max	At rated Pout
Input Power Protection	+8 dBm Max		<10 Sec without damage
Load VSWR Protection	10 : 1		<1 minute at rated Pout

ENVIRONMENTAL CHARACTERISTICS

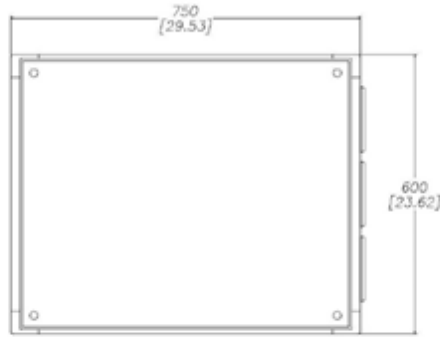
Parameter	Specification	Notes
Operating Ambient Temperature	0 to +45 °C	
Storage Temperature	-20 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensing

MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions W x H x D	(PA-Drawers) 1x R8U, R5U (PS-Controller) 1x R5U	18U Cabinet with Rack drawers
Weight	600 lb. Nominal	
RF Connectors In/Out A / Out B	Type-N Female / 7-16 Female	Rear panel
AC Power / Interface Connector	MS / 9-Pin D-Sub	
Cooling-Quiet Cool design	Hybrid Air to liquid Quiet Cool design	Closed-loop
STANDARD: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	Remote Bluetooth application Optional

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OUTLINE DRAWING



- * UNIT : mm / [inch]
- * Rack Size : 18U

