

2200L POWER AMPLIFIER

200 Watts RF Power For:

- Ultrasonic
- Testing
- Laboratory Use



Featuring:

- 10 KHz – 15 MHz
- Instantaneous Bandwidth
- 200 W 1dB Compression
- Solid State Reliability
- Forced Air Cooling



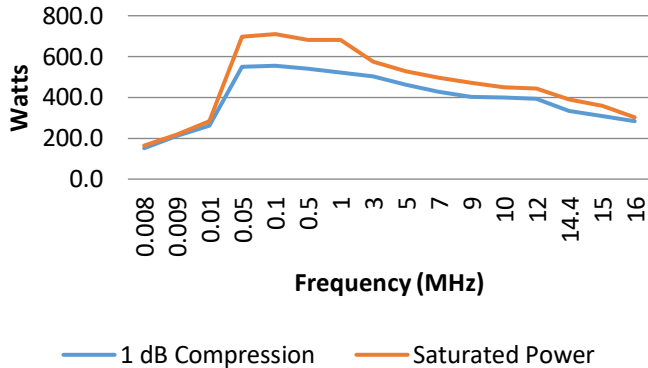
E&I 2200L Specifications

Class of Operation:	Class A
Frequency Coverage:	10 KHz – 15 MHz
Rated Power:	200 Watts P1dB Compression
Saturated Power:	10 KHz – 15 MHz > 250 W 30 KHz – 10 MHz > 300 W
Power Gain:	53 dB nominal
Gain Flatness:	+/- 1.5 dB
Input Power for Rated Pout:	1 mW / 0dBm
Input Impedance / VSWR:	50 Ω / 1.5:1 maximum
Output Impedance / VSWR:	50 Ω / 2:1 maximum
Harmonic Level:	< -25 dBc @ 200W Pout
Ruggedness:	∞:1 VSWR
Stability:	Unconditional into any passive load
Protection:	Unit will withstand input signal of +13 dBm without damage (1.0 V rms) max.
Third Order Intercept:	IP3 ~ 62 dBm
AC Input:	100 – 240 VAC 8.4 A @ 120 V 4.2 A @ 240 V
Temperature Range:	0° – 40° C
Cooling:	Forced Air
Dimensions (H x W x D):	5.3 x 16.5 x 18.4 inches 134.5 x 420 x 467 mm
Weight:	45 lbs (20.5 Kg)
Connectors:	BNC
Rack Mounting:	Optional
RF Input Signal:	AM, FM, SSB, Pulsed

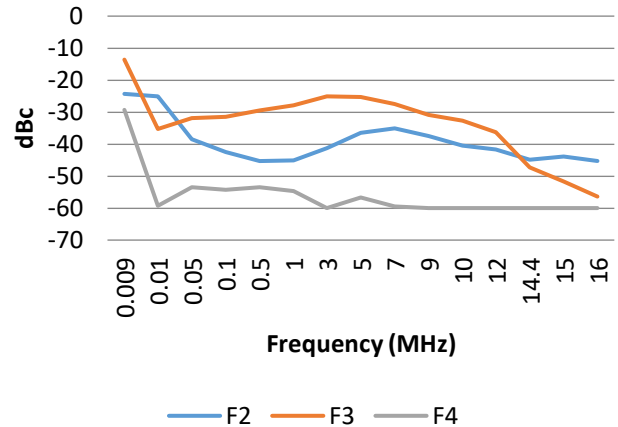


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2200L Extended Power Data



Harmonics



Protection:

- Software Overdrive Limit: 300 Watts
- Software Reverse Power Limit: 225 Watts

Performance into 50 ohms

Input				Amplifier Gain Nominal dB	Output			
Input Power Watts	dBm	V p-p Volts	V rms Volts		Output Power dBm	Watts	V p-p Volts	V rms Volts
0.000250	-6.02	0.32	0.11	50	43.98	25.00	100.00	35.36
0.0010	0.00	0.30	0.22	50	50.00	100.00	200.00	70.71
0.0020	3.01	0.89	0.32	50	53.01	200.00	282.84	100.00
0.0026	4.22	1.03	0.36	50	54.22	264.06	325.00	114.90



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