

## 200 Watts RF Power for:

- Ultrasonics
- Testing
- Laboratory Use



## Featuring:

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



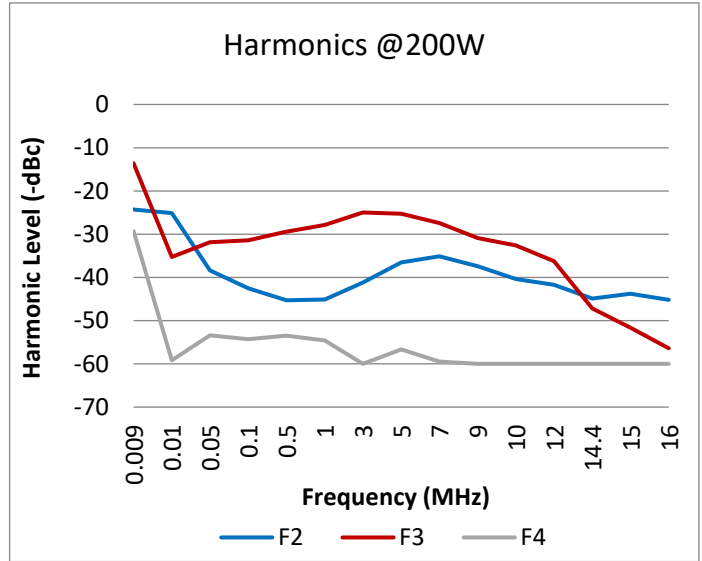
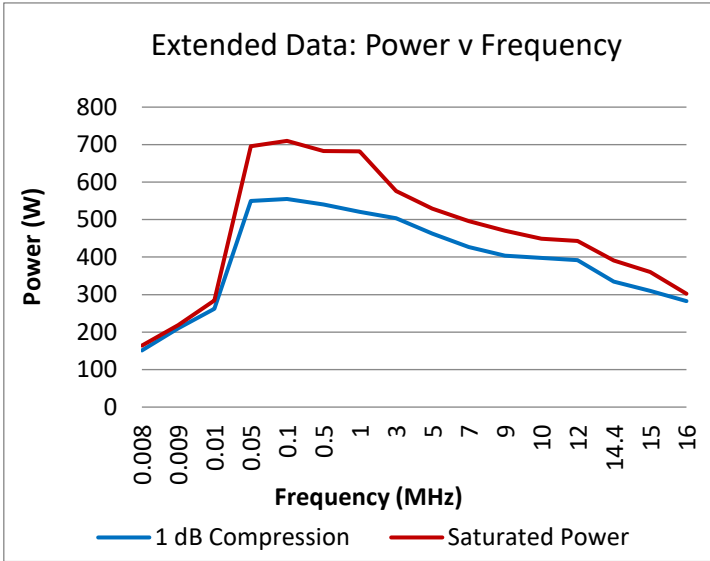
# E&I 2200L POWER AMPLIFIER

## E&I 2200L Specifications\*

<b>Class of Operation:</b>	Class A
<b>Frequency Coverage:</b>	10 kHz – 15 MHz
<b>Rated Power:</b>	200 Watts P1dB Compression
<b>Saturated Power:</b>	10 KHz – 15 MHz > 250 W 30 KHz – 10 MHz > 300 W
<b>Power Gain:</b>	53 dB nominal
<b>Gain Flatness:</b>	+/- 1.5 dB
<b>Input Power for Rated Pout:</b>	1mW / 0dBm
<b>Input Impedance / VSWR:</b>	50 Ω / 1.5:1 maximum
<b>Output Impedance / VSWR:</b>	50 Ω / 2:1 maximum
<b>Harmonic Level:</b>	< -25 dBc @ 200W Pout
<b>Ruggedness:</b>	∞:1 VSWR
<b>Stability:</b>	Unconditional into any passive load
<b>Protection:</b>	Unit will withstand input signal of +13 dBm without damage (1.0 V rms) max.
<b>Third Order Intercept:</b>	IP3 ~ 62 dBm
<b>AC Input:</b>	100 – 240 VAC 8.4 A @ 120 V 4.2 A @ 240 V
<b>Temperature Range:</b>	0° – 40° C
<b>Cooling:</b>	Forced Air
<b>Dimensions (H x W x D):</b>	5.12 x 16.5 x 20 inches 130 x 420 x 508 mm
<b>Weight:</b>	45 lbs. (20.5 Kg)
<b>Connectors:</b>	BNC
<b>Rack Mounting:</b>	Optional
<b>RF Input Signal:</b>	AM, FM, SSB, Pulsed



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## Protection:

- Software Overdrive Limit: 300 Watts
- Software Reverse Power Limit: 225 Watts (unit can withstand 100% reflected power)

## Performance into 50 ohms

Input Level				Amplifier Gain	Output Power			
Input Power		V p-p	V rms	Nominal	Output Power		V p-p	V rms
Watts	dBm	Volts	Volts	dB	dBm	Watts	Volts	Volts
0.00025	-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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