



200 Watts RF Power for:

- Ultrasonics
- Testing
- Laboratory Use



Featuring:

- 10 kHz – 12 MHz
- Instantaneous Bandwidth
- 200 W 1dB Compression
- Solid State Reliability
- Forced Air Cooling



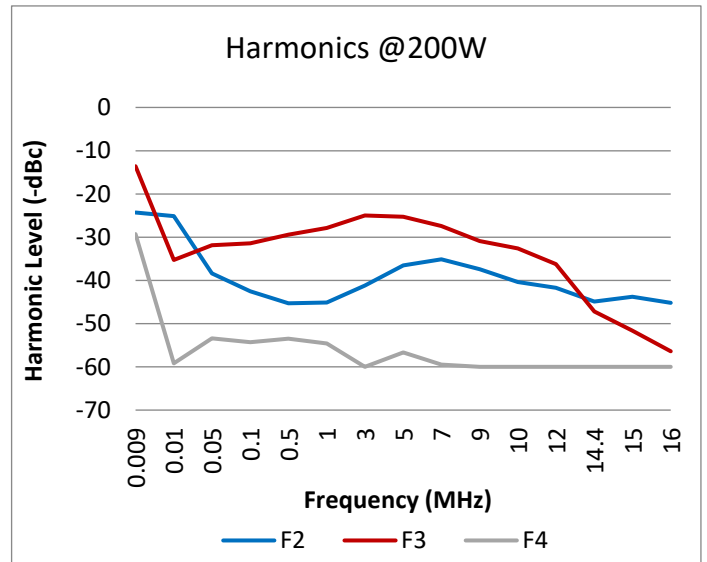
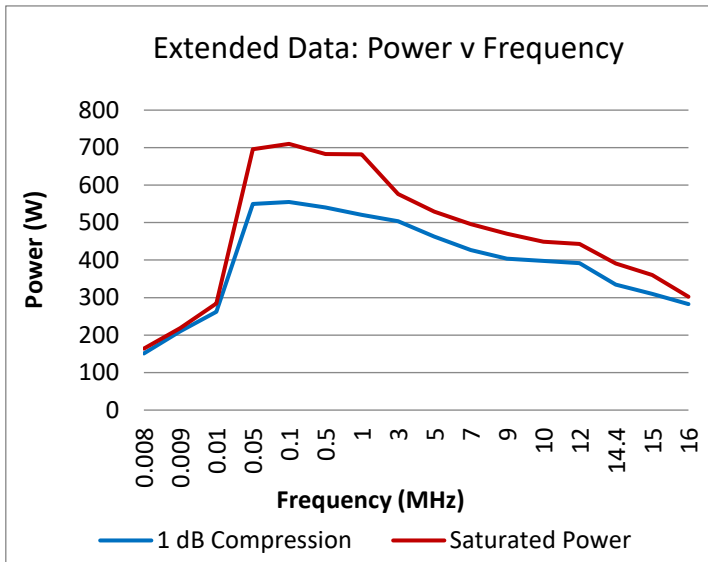
E&I 2200L POWER AMPLIFIER

E&I 2200L Specifications*

Class of Operation:	Class A
Frequency Coverage:	10 kHz – 12 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:	+/- 3 dB
Input Power for Rated Pout:	1mW / 0dBm
Input Impedance / VSWR:	50 Ω / 1.5:1 maximum
Output Impedance / VSWR:	50 Ω / 2:1 maximum
Harmonic Level:	< -22 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):	5.12 x 16.5 x 20 inches 130 x 420 x 508 mm
Weight:	45 lbs. (20.5 Kg)
Connectors:	BNC
Rack Mounting:	Optional
RF Input Signal:	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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