

E&I 2400L POWER AMPLIFIER

400 Watts Linear RF Power for:

- Ultrasonics
- Testing
- Laboratory use



Featuring:

- 10 kHz to 10 MHz
- Instantaneous Bandwidth
- 400 W 1dB Compression
- Solid State Reliability
- Forced Air Cooling

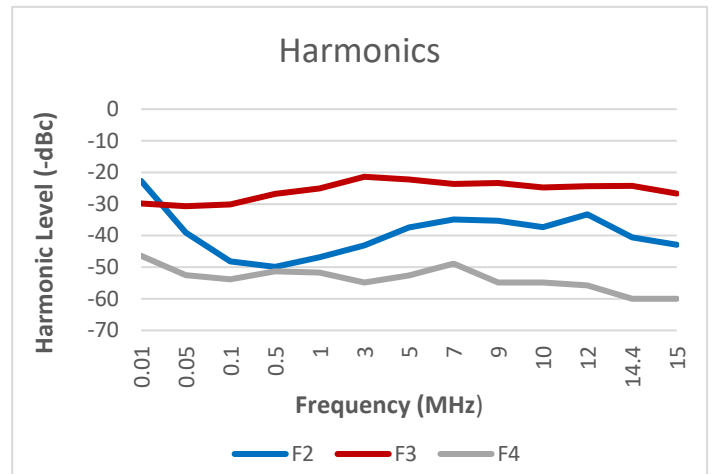
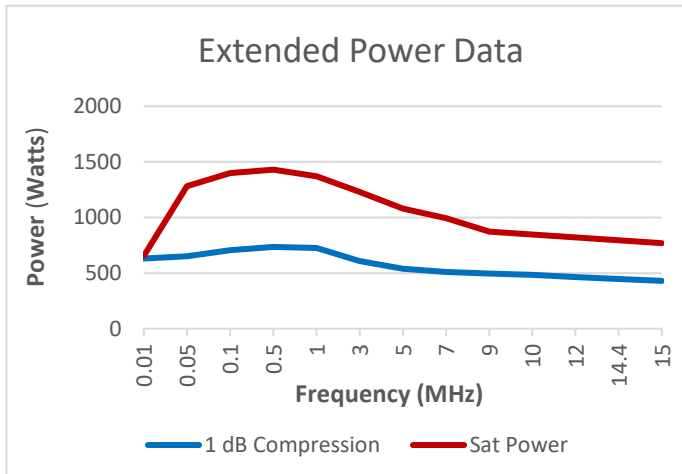


E&I 2400L Specifications*

Class of Operation:	Class A
Frequency Coverage:	10 kHz to 10 MHz
Rated Power:	400 W 1dB Compression
Saturated Power:	550 W Maximum
Power Gain:	55 dB nominal
Gain Flatness:	+/- 1.5 dB
Input Power for Rated Pout:	1 mW Max
Input Impedance / VSWR:	50Ω / 1.5:1 maximum
Output Impedance / VSWR:	50Ω / 1.25:1 maximum
Harmonic Level:	< -21dBc
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. and infinite load VSWR.
Third Order Intercept:	IP3 ~ 64 dBm
AC Input:	100 – 264 VAC 47-63 Hz
Temperature Range:	0 – 40 C
Cooling:	Forced air
Dimensions (H x W x D):	13.0 x 16.5 x 18.1 inches 330 x 419 x 462 mm
Weight:	95 lbs (43 Kg)
Connectors:	Type N
Rack Mounting:	n/a
RF Input Signal:	AM, FM, SSB, Pulsed



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Protection:

- Software Overdrive Limit: 650 Watts
- Software Reverse Power Limit: 450 Watts (Unit can withstand 100% Reflected Power)

Performance into 50 Ω

Input Level				Amplifier Gain	Output Power			
Input Power		V p-p	V rms		Nominal	Output Power		V p-p
Watts	dBm	Volts	Volts	dB	dBm	Watts	Volts	Volts
0.00040	-3.98	0.40	0.14	56	52.02	159.24	252.38	89.23
0.00063	-2.04	0.50	0.18	56	53.96	248.82	315.48	111.54
0.00101	0.03	0.64	0.22	56	56.03	401.32	400.66	141.65
0.00160	2.04	0.80	0.28	56	58.04	636.97	504.77	178.46



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