

E&I 1040L POWER AMPLIFIER

400 Watts RF Power for:

- Ultrasonics
- Induction Heating
- Industrial Use
- Laboratory Applications



Featuring:

- 10 kHz – 5 MHz
- Power Measurement
 - Forward & Reflected
- Instantaneous Bandwidth
- Solid State Reliability
- Forced Air Cooling

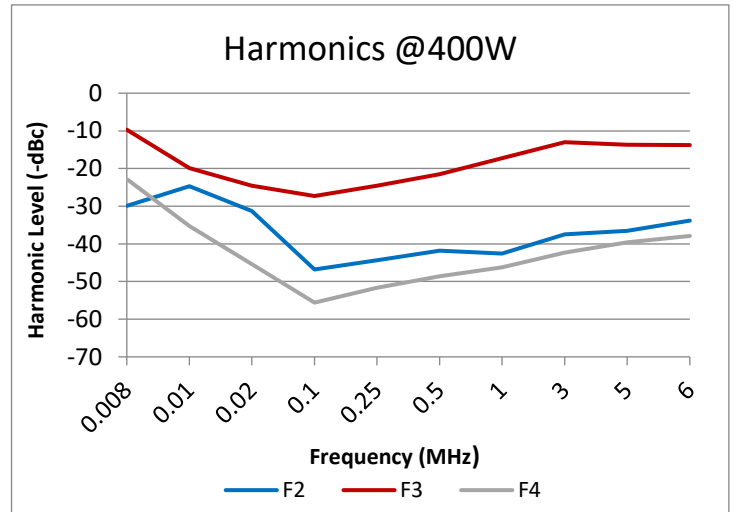
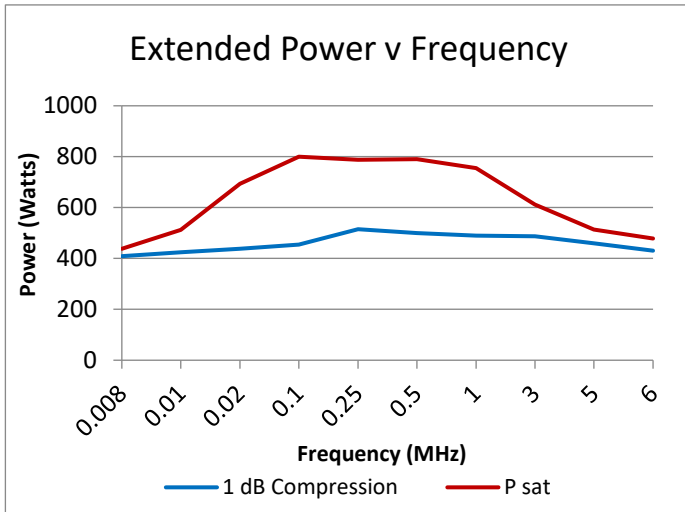


E&I 1040L Specifications*

Class of Operation:	Class AB
Frequency Coverage:	10 kHz – 5 MHz
Rated Power:	400+ Watts
Saturated Power:	600 Watts
Power Gain:	55 dB nominal
Gain Flatness:	+/- 1 dB to 1 MHz +/- 2 dB to 5 MHz
Input Power for Rated Pout:	1.3 mW or 1.14 dBm
Input Impedance / VSWR:	50 Ω / VSWR, 1.5:1 Max
Output Impedance / VSWR:	50 Ω / VSWR, 2:1 Max
Ruggedness:	∞:1 VSWR
Stability:	Unconditional into any passive or reactive load
Protection:	Unit will withstand input signal of +13 dBm without damage (1.0 V rms) max.
AC Input:	104 – 240 VAC 9 A @ 120 V 4.5 A @ 240 V
Temperature Range:	0° – 45° C
Cooling:	Forced Air
Dimensions (H x W x D):	5.3 x 16.5 x 20 inches 134.5 x 420 x 508 mm
Weight:	54 lbs (24.4 kg)
Connectors:	BNC
Rack Mounting:	Yes
RF Input Signal:	AM, FM, SSB, Pulsed



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Protection:

- Software Overdrive Limit: 600 Watts
- Software Reverse Power Limit: 450 Watts (can withstand 100% reflected power)

Performance into 50 ohms

Input Level				Amplifier Gain	Output Power			
Input Power		V p-p	V rms	Nominal dB	Output Power		V p-p	V rms
Watts	dBm	Volts	Volts		dBm	Watts	Volts	Volts
0.00031	-5.14	0.35	0.12	55	49.86	96.84	196.82	69.59
0.00106	0.24	0.65	0.23	55	55.24	334.02	365.52	129.23
0.00141	1.48	0.75	0.27	55	56.48	444.70	421.76	149.11
0.00203	3.06	0.90	0.32	55	58.06	640.36	506.11	178.94



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