



# 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

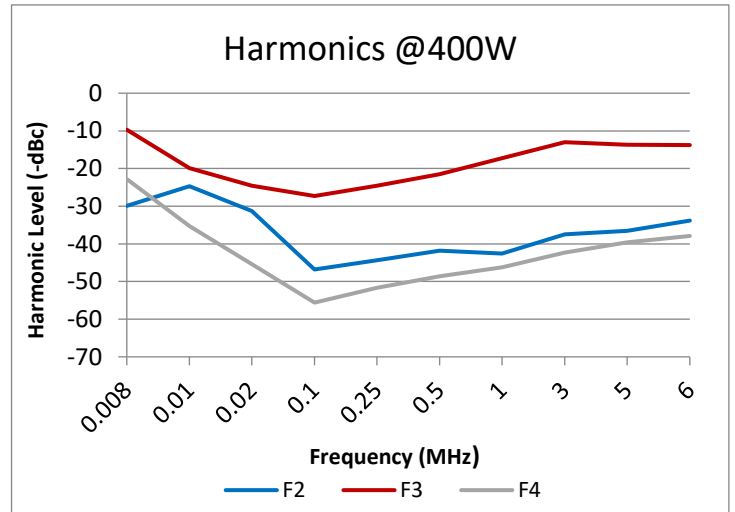
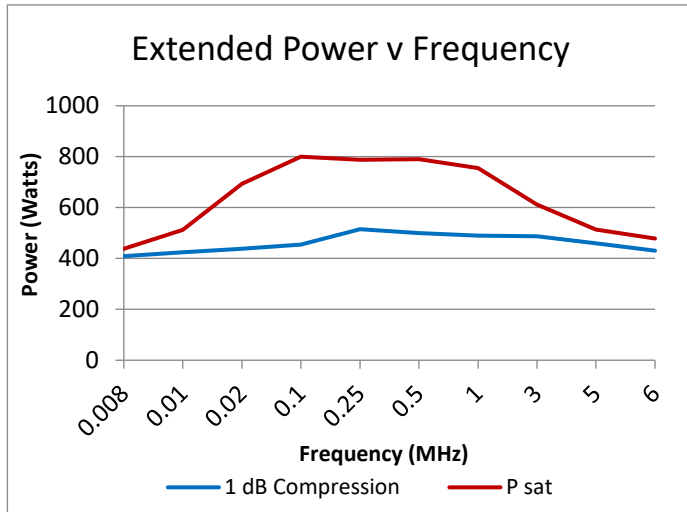


### E&I 1040L Specifications\*

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



# E&I 1040L POWER AMPLIFIER



## 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



Electronics & Innovation, Ltd.  
 150 Research Blvd.  
 Rochester, NY 14623  
 Tel: +1 585-214-0598  
[www.eandiltd.com](http://www.eandiltd.com) | [sales@eandiltd.com](mailto:sales@eandiltd.com)