

# 350L POWER AMPLIFIER

**50 Watts  
RF Power For:**

- Ultrasonic
- Testing
- Laboratory Applications



**Featuring:**

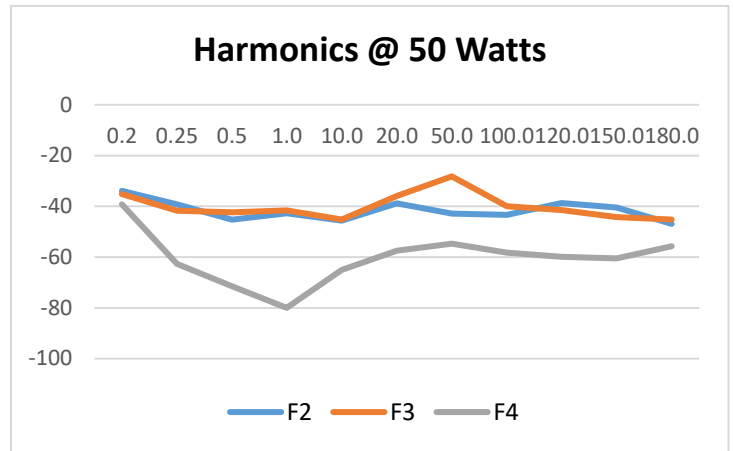
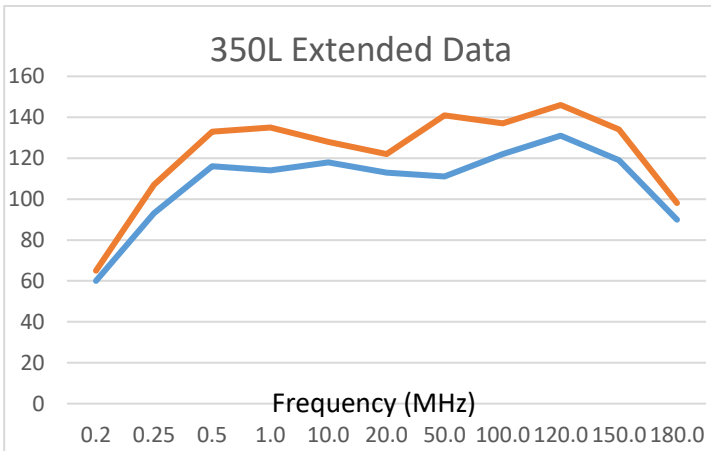
- 250 KHz – 150 MHz
- Instantaneous Bandwidth
- 50 W 1dB Compression
- Solid State Reliability
- Forced Air Cooling



E&I 350L Specifications	
<b>Class of Operation:</b>	Class A
<b>Frequency Coverage:</b>	250 KHz – 150 MHz
<b>Rated Power:</b>	50 Watts P1dB Compression
<b>Saturated Power:</b>	100 Watts
<b>Power Gain:</b>	50 dB nominal
<b>Gain Flatness:</b>	+/- 1.5 dB
<b>Input Power for Rated Pout:</b>	0 dBm (1 mW)
<b>Input Impedance / VSWR:</b>	50 Ω / 1.5:1 maximum
<b>Output Impedance / VSWR:</b>	50 Ω / 1.25:1 maximum
<b>Harmonic Level:</b>	< -23 dBc @ 50W Pout
<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>Third Order Intercept:</b>	IP3 ~ 59 dBm
<b>AC Input:</b>	100 – 240 VAC 47 – 63 Hz 6 A @ 120 V 3 A @ 240 V
<b>Temperature Range:</b>	0° – 40° C
<b>Cooling:</b>	Forced Air
<b>Dimensions (H x W x D):</b>	6.75 x 9.88 x 17 inches 171.5 x 251 x 432 mm
<b>Weight:</b>	20 lbs (9 Kg)
<b>Connectors:</b>	Type N
<b>Rack Mounting:</b>	Optional
<b>RF Input Signal:</b>	AM, FM, SSB, Pulsed



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Protection:

- Software Overdrive Limit: 75 Watts
- Software Reverse Power Limit: 50 Watts

Input				Amplifier Gain	Output			
Input Watts	Power dBm	V p-p Volts	V rms Volts		Output Power dBm	Watts	V p-p Volts	V rms Volts
0.000062	12.04	0.16	0.06	50	37.96	6.25	50.00	17.68
0.0001	-8.52	0.24	0.08	50	41.48	14.06	75.00	26.52
0.0003	-6.02	0.32	0.11	50	43.98	25.00	100.00	35.36
0.0005	-2.97	0.45	0.16	50	47.03	50.41	142.00	50.20



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