



50 Watts RF Power for:

- Ultrasonics
- Communications
- Testing
- Laboratory Applications



Featuring:

- 250 kHz – 150 MHz
- Instantaneous Bandwidth
- 50 W 1dB Compression
- Solid State Reliability
- Rugged Design



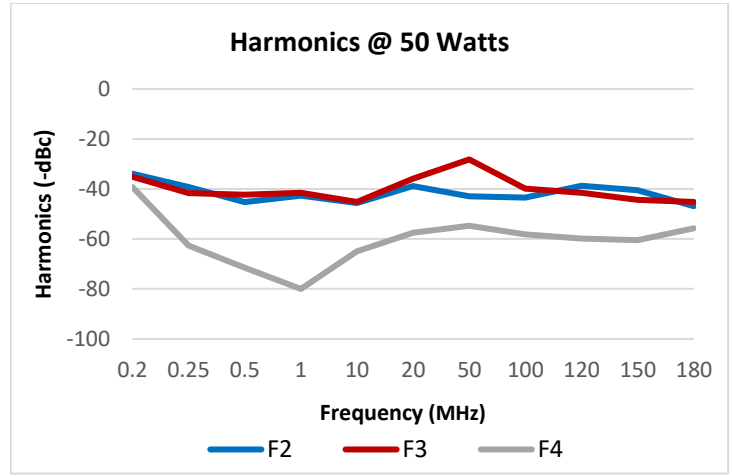
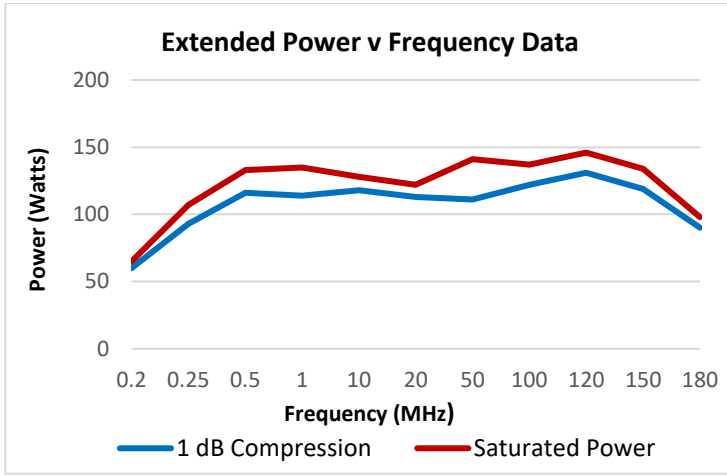
350L POWER AMPLIFIER

E&I 350L Specifications*

Class of Operation:	Class A
Frequency Coverage:	250 kHz – 150 MHz
Rated Power:	50 Watts (P1dB Compression)
Saturated Power:	100 Watts
Power Gain:	50 dB nominal
Gain Flatness:	+/- 1.5 dB
Input Power for Rated Pout:	0 dBm (1 mW)
Input Impedance / VSWR:	50 Ω / 1.5:1
Output Impedance:	50 Ω (nominal)
Mismatch Tolerance: (Ruggedness)	∞ :1 VSWR, can handle full reflection of rated power
Harmonic Level:	< -23 dBc at 50W Pout
Stability:	Unconditional into any passive or reactive load
Protection:	Unit will withstand input signal of +13 dBm without damage (1Vrms) and infinite load VSWR
Third Order Intercept:	IP3 ~ 59 dBm
AC Input:	100 – 240 VAC 47 – 63 Hz 6 A @ 120 V 3 A @ 240 V
Temperature Range:	0° – 40° C
Cooling:	Forced Air (internal fans)
Dimensions (H x W x D):	6.75 x 9.88 x 17 inches 171.5 x 251 x 432 mm
Weight:	15 lbs. (6.8 kg)
Connectors:	Type N
Rack Mounting:	Optional
RF Input Signal:	AM, FM, SSB, Pulsed



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Protection:

- Software Overdrive Limit: 75 Watts
- Software Reverse Power Limit: 50 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	dB	Output Power		V p-p	V rms
Watts	dBm	Volts	Volts			dBm	Watts	Volts	Volts
0.00016	-8.06	0.25	0.09	50		41.94	15.63	79.06	27.95
0.00031	-5.14	0.35	0.12	50		44.86	30.63	110.68	39.13
0.00051	-2.96	0.45	0.16	50		47.04	50.63	142.30	50.31
0.00076	-1.21	0.55	0.19	50		48.79	75.63	173.93	61.49



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