



525LA POWER AMPLIFIER

**25 Watts
RF Power For:**

- UHF Amplifier
- Component Testing
- Laboratory Use



Featuring:

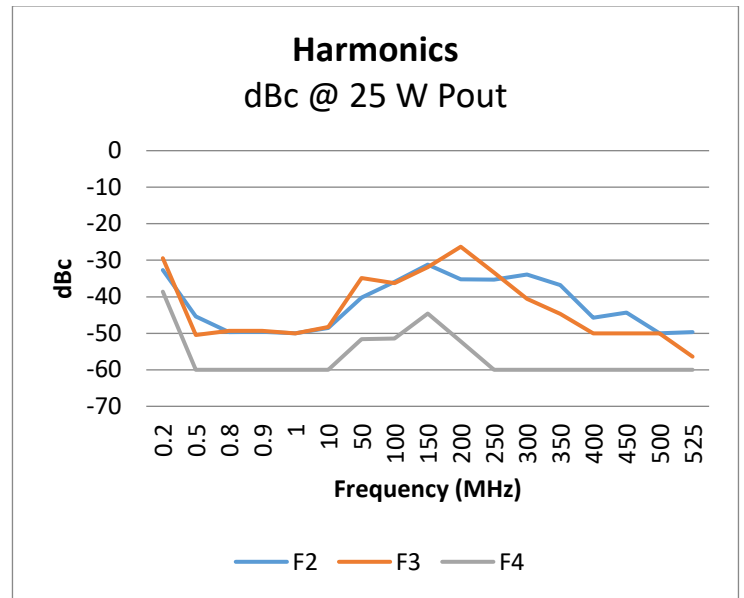
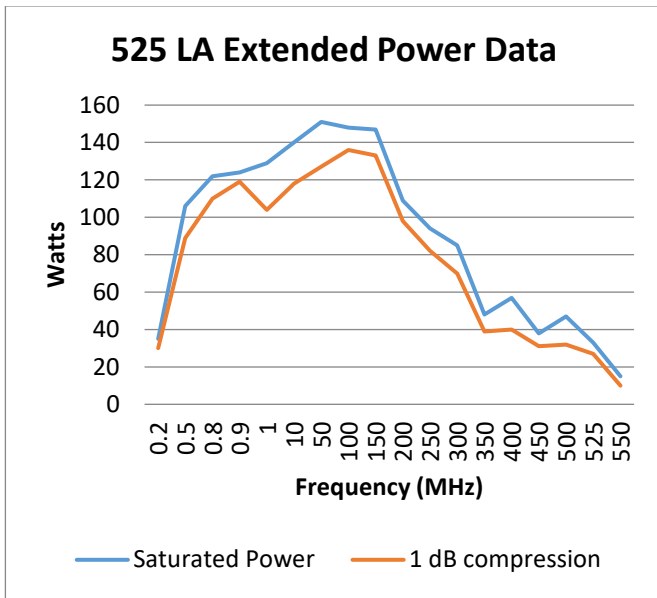
- 1 MHz – 500 MHz
- Instantaneous Bandwidth
- Operates into any load
- Solid State Reliability
- Forced Air Cooling

E&I 525LA Specifications

Class of Operation:	Class A
Frequency Coverage:	1 MHz – 500 MHz
Rated Power:	25 Watts P1dB Compression
Saturated Power:	35 Watts
Power Gain:	50 dB nominal
Gain Flatness:	+/- 2.5 dB
Input Power for Rated Pout:	-6dBm / 0.25 mW
Input Impedance / VSWR:	50 Ω / 1.8:1 maximum
Output Impedance / VSWR:	50 Ω / 1.5:1 maximum
Harmonic Level:	< -25 dBc @ 25W Pout
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.
Third Order Intercept:	IP3 ~ 56 dBm
AC Input:	100 – 240 VAC 47-63 Hz
Temperature Range:	0° – 40° C
Cooling:	Forced Air
Dimensions (H x W x D):	20.25 x 12 x 6.75 inches 514 x 305 x 171.5 mm
Weight:	25 lbs (9 Kg)
Connectors:	N
Rack Mounting:	Optional
RF Input Signal:	AM, FM, SSB, Pulsed



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Performance into 50 ohms

Input				Amplifier Gain Nominal dB	Output			
Input Power Watts	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	0.30	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
0.0006	-2.50	0.47	0.17	50	47.50	56.25	150.00	53.03



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