

## 25 Watts Linear RF Power For:

- Industrial
- Laboratory
- Communication



## Featuring:

- 250 KHz – 150 MHz
- Rugged Compact Design
- Instantaneous Bandwidth
- Solid State Reliability
- Forced Air Cooling



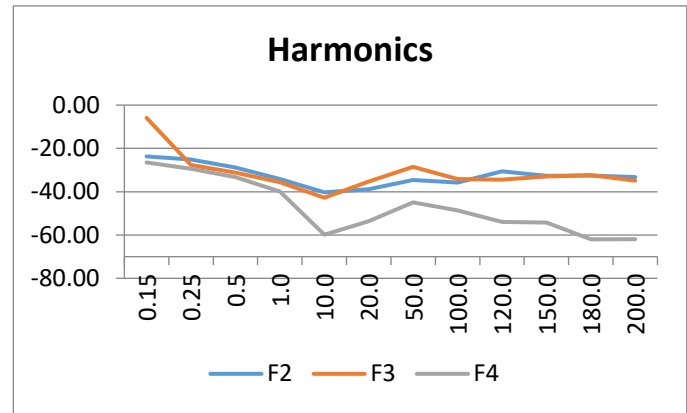
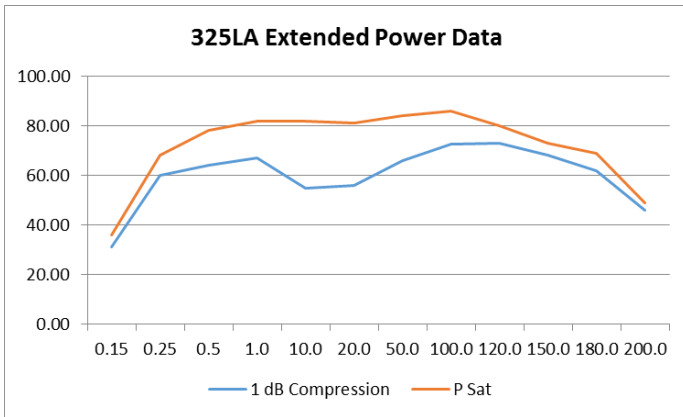
# 325LA POWER AMPLIFIER

## E&I 325LA Specifications\*

<b>Class of Operation:</b>	Class A
<b>Frequency Coverage:</b>	250 KHz – 150 MHz
<b>Rated Power:</b>	25 Watts P1dB
<b>Saturated Power:</b>	50 Watts
<b>Power Gain:</b>	50 dB nominal
<b>Gain Flatness:</b>	+/- 1.5 dB
<b>Input Power for Rated Pout:</b>	0.25 mW / -6 dBm
<b>Input Impedance / VSWR:</b>	50 Ω / 1.5:1 max
<b>Output Impedance / VSWR:</b>	50 Ω / 2:1 max
<b>Harmonic Level:</b>	< -25 dBc @ 25 Watts output
<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 ~ 53 dBm
<b>AC Input:</b>	100 – 240 VAC 47-63 Hz 3 A @ 120V 1.5 A @ 240V
<b>Temperature Range:</b>	0° – 40° C
<b>Cooling:</b>	Forced Air
<b>Dimensions (H x W x D):</b>	7.25 x 9.875 x 16 inches 184.15 x 250.8 x 406.4 mm
<b>Weight:</b>	18 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: 50 Watts
- Software Reverse Power Limit: 35 Watts

## 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
0.0005	-3.10	0.44	0.16	50	46.90	49.00	140.00	49.50



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