

# E&I 325LA POWER AMPLIFIER

25 Watts

Linear RF Power For:

- Industrial
- Laboratory
- Communication



Featuring:

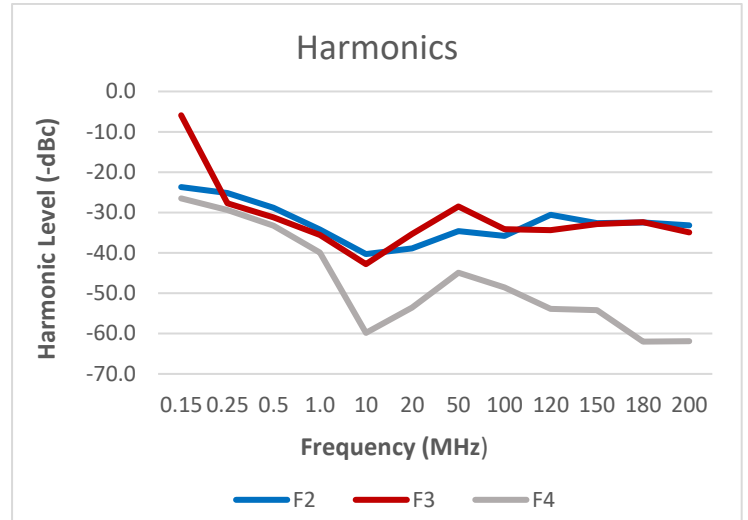
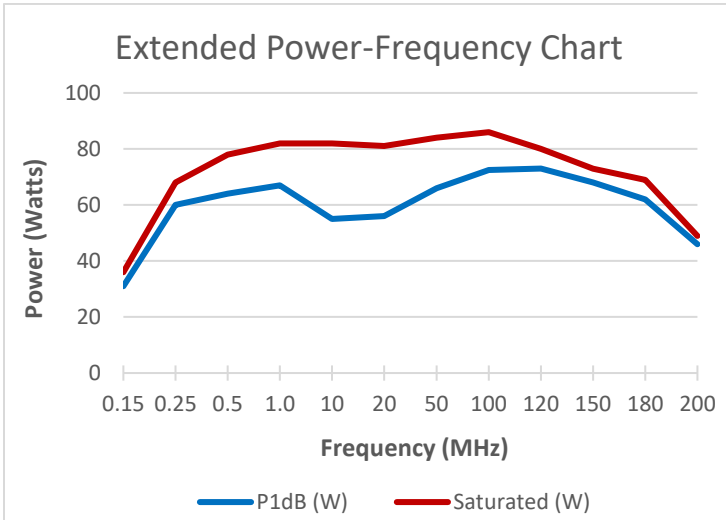
- 250 kHz – 150 MHz
- Rugged Compact Design
- Instantaneous Bandwidth
- Solid State Reliability
- Forced Air Cooling



E&I 325LA Specifications*	
Class of Operation:	Class A
Frequency Coverage:	250 kHz – 150 MHz
Rated Power:	25 Watts P1dB
Saturated Power:	50 Watts
Power Gain:	50 dB nominal
Gain Flatness:	+/- 1.5 dB
Input Power for Rated Pout:	0.25 mW / -6 dBm
Input Impedance / VSWR:	50 Ω / 1.5:1 max
Output Impedance / VSWR:	50 Ω / 2:1 max
Harmonic Level:	< -25 dBc @ 25 Watts output
Ruggedness:	∞:1 VSWR
Stability:	Unconditional into any passive or reactive load
Protection:	Unit will withstand input signal of +13 dBm without damage (1.0 V rms) max.
Third Order Intercept:	IP3 ~ 53 dBm
AC Input:	100 – 240 VAC 47-63 Hz 3 A @ 120V 1.5 A @ 240V
Temperature Range:	0° – 40° C
Cooling:	Forced Air
Dimensions (H x W x D):	7.25 x 9.875 x 16 inches 184.15 x 250.8 x 406.4 mm
Weight:	18 lbs. (9 Kg)
Connectors:	Type N
Rack Mounting:	Optional
RF Input Signal:	AM, FM, SSB, Pulsed



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**Protection:**

- Software Overdrive Limit: 50 Watts
- Software Reverse Power Limit: 35 Watts

**Performance into 50 Ω**

Input				Amplifier Gain	Output			
Input Power		V p-p	V rms	Nominal	Output Power		V p-p	V rms
Watts	dBm	Volts	Volts		dB	dBm	Watts	Volts
0.00006	-12.50	0.15	0.05	50	37.50	5.63	47.43	16.77
0.00016	-8.06	0.25	0.09	50	41.94	15.63	79.06	27.95
0.00026	-5.92	0.32	0.11	50	44.08	25.60	101.19	35.78
0.00048	-3.15	0.44	0.16	50	46.85	48.40	139.14	49.19



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