

325LA POWER AMPLIFIER

**25 Watts
Linear RF Power For:**

- Industrial
- Laboratory
- Communication



Featuring:

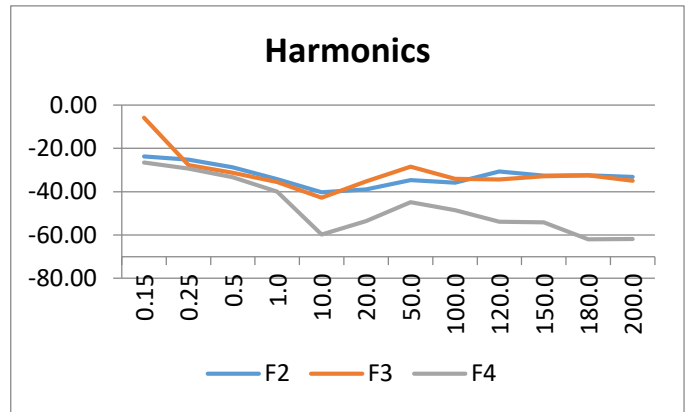
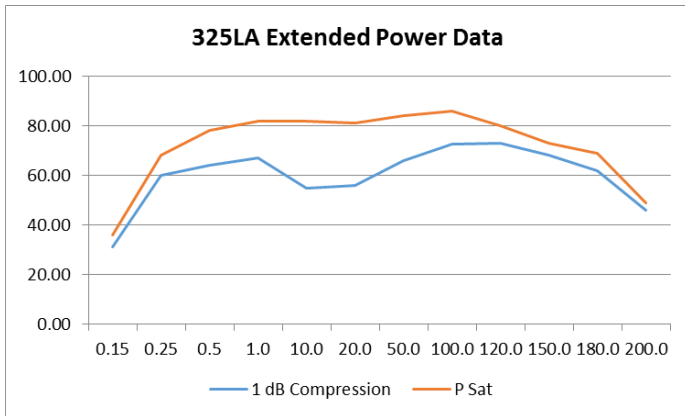
- 250 KHz – 150 MHz
- Rugged Compact Design
- Instantaneous Bandwidth
- Solid State Reliability
- Forced Air Cooling

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):	7.5 x 9.5 x 12.5 inches 190.5 x 241 x 317.5 mm
Weight:	18 lbs (9 Kg)
Connectors:	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 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



Electronics & Innovation, Ltd.
 150 Research Blvd.
 Rochester, NY 14623
 Tel: 585-214-0598 / Fax: 585-214-0580
 www.eandiltd.com