



325LA POWER AMPLIFIER

25 Watts
Linear RF Power
For

- Industrial
- Laboratory
- Communication



- ✓ 250 KHz to 150 MHz
- ✓ Rugged Compact Design
- ✓ Instantaneous Bandwidth
- ✓ Class A linearity
- ✓ Forced Air Cooling

The 325LA amplifier is a rugged source of RF power for HF and VHF transmitters, RFI/EMI testing, plasma equipment and general laboratory applications. The 325LA represents E&I's commitment to providing RF power amplifiers of the highest quality, durability and ruggedness.

FLEXIBILITY:

The 325LA produces 25 Watts of Class A linear power over the frequency range of 250 KHz to 150 MHz. It has very low harmonic distortion along with low IMD products. Operation over the entire frequency band is possible without the need for any switching, it is true instantaneous bandwidth. The unit is rated at 50 dB gain with a typical gain flatness of +/- 1.5 dB

RUGGEDNESS:

The 325LA is a rugged amplifier built to withstand all output load conditions including shorts and open circuits. The forced air cooling provides for low internal temperatures, providing long term reliability.

Utilizing solid state ruggedized LD-MosFet devices, it features an internal RMS power meter and concurrently displays both forward and reverse power.

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Class of Operation

Class A

Frequency Range

250 KHz to 150 MHz

Rated Power Output

25 Watts P1dB

Saturated Power

50 Watts

Power Gain

50 dB

Gain Flatness

+/- 1.5 dB

Input Power for Rated Output

0.25 mW / -6dBm

Input Impedance / VSWR

50 Ω / 1.5:1 max

Output Impedance / VSWR

50 Ω / 2:1 max

Harmonic Level

< -25 dBc @ 25 Watts output

Source requirements

Signal / function generator or oscillator capable of 0.25 mW into 50 Ω

Ruggedness

oo:1 VSWR

Protection

Input: Unit will withstand input signal of +13 dBm without damage (1.0 V rms) max.

Front Panel LCD Display

Front panel indicates forward and reflected power

Third Order Intercept Point

IP3 ~ 53 dBm

AC Input

100 – 240 VAC 47-63 Hz.

3 A @ 120V

1.5A @ 240 V

Temperature Range

0 – 40 C

Cooling

Forced air

Weight

18 lbs (9 Kg)

Dimensions

(H x W x D)

7.5" x 9.5" x 12.5"

190.5 x 241 x 317.5 mm



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