



## 325LA POWER AMPLIFIER

25 Watts  
Linear RF Power  
For

- Industrial
- Laboratory
- Communications



- ✓ 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.

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

### FLEXIBILITY

The 325LA produces 25 Watts of Class A linear power over the frequency range of 250 KHz to 150 MHz with low harmonic distortion. 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 an input of +13 dBm (1.0V RMS) for all output load conditions including shorts and open circuits.

The unit amplifies inputs of AM, FM SSB, TV and all complex modulation forms with <-23 dBc harmonic distortion and low spurious content.

# 325LA POWER AMPLIFIER

## 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 / -1.6dBm

## Input Impedance / VSWR

50  $\Omega$  / 1.5:1 max

## Output Impedance / VSWR

50  $\Omega$  / 2:1 max

## Harmonic Level

< -23 dBc @ 20 Watts output

## Source requirements

Signal / function generator or oscillator capable of 0.25 mW into 50  $\Omega$

## Ruggedness

oo:1 VSWR

## Protection

Input: Unit will withstand input signal of +13 dBm without damage (1.0 V rms) max and infinite load VSWR

## 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



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