



## 411LA POWER AMPLIFIER

### 10 Watts Linear RF Power

For

- Industrial
- Laboratory
- Communications

- 150 KHz to 300 MHz
- Rugged Compact Design
- Instantaneous Bandwidth
- Class A linearity
- Forced Air Cooling



The 411LA 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.

The 411LA produces 10 Watts of Class A linear power over the frequency range of 150 KHz to 300 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 40 dB gain with a typical gain flatness of +/- 2.5 dB

The 411LA 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 <-22 dBc harmonic distortion and low spurious content.



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# 411LA POWER AMPLIFIER

## Class of Operation

Class A

## Frequency Range

150 KHz to 300 MHz

## Rated Power Output

10 W

## Power Gain

40 dB

## Gain Flatness

+/- 2.5

## Input Power for Rated Output

1.0 mW / 0dBm

## Input Impedance

50  $\Omega$

## Output Impedance

50  $\Omega$

## Harmonic Level

< -22 dBc @ 10 Watts output

## Source requirements

Signal / function generator or oscillator capable of 1.0 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.

## Third Order Intercept Point

IP3 ~ 49 dBm

## AC Input

104 – 240 Volts

3 A @ 120 V

1.5 A @ 240 V

## Temperature Range

0 – 40 C

## Cooling

Forced air.

## Weight

20 lbs (9 Kg)

## Dimensions

5.2 x 8 x 18.1 (H x W x D)



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