



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. The 411LA represents E&I's commitment to providing RF power amplifiers of the highest quality, durability and ruggedness.

FLEXIBILITY:

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 45 dB gain with a typical gain flatness of +/- 2.5 dB

RUGGEDNESS:

Utilizing solid state ruggedized MosFet devices 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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Class of Operation

Class A

Frequency Range

150 KHz to 300 MHz

Rated Power Output

10 W

Power Gain

45 dB

Gain Flatness

+/- 2.5

Input Power for Rated Output

1.0 mW / 0dBm

Input Impedance

50 Ω

Output Impedance

50 Ω

Harmonic Level

< -22 dBc @ 10 Watts output

Source Requirements

Signal / Function generator or oscillator
capable of 1.0 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. and infinite load VSWR.

Third Order Intercept Point

IP3 ~ 49 dBm

AC Input

100 – 240 Volts 47 – 63 Hz
3 A @ 120 V
1.5 A @ 240 V

Temperature Range

0 – 40 C

Cooling

Forced air

Weight

20 lbs (9 Kg)

Dimensions (H x W x D)

7.5" x 9.5" x 12.5"
190.5 x 241.3 x 317.5 mm



150 Research Blvd.
Rochester, NY 14623
Tel: (585) 214 0598
Fax: (585) 214 0580
www.eandiltd.com