



ABN 43 064 478 842

➤ 231 osborne avenue clayton south, vic 3169  
PO box 1548, clayton south, vic 3169  
t 03 9265 7400 f 03 9558 0875  
freecall 1800 680 680  
www.tmgtestequipment.com.au

## Test & Measurement

- sales
- rentals
- calibration
- repair
- disposal

## Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

If you click on the “Click-to-Call” logo below, you can call us for FREE!

TMG Corporate Website

TMG Products Website



Click-to-Call  
TMG Now



### Disclaimer:

All trademarks appearing within this PDF are trademarks of their respective owners.





## 601L POWER AMPLIFIER

### 1 Watt Linear UHF Amplifier For Signal Distribution

- 500 KHz – 1,000MHz Frequency Range
- Rugged Compact Design
- Operates into any load
- Low Distortion

#### High Reliability

Complete stability and instantaneous fail-safe protection ensure operation in to mismatch and overdrive conditions.

The 601L will withstand a + 13dBm Input signal for all load conditions.



The 601L Broadband Amplifier is a rugged source of RF power suitable for a variety of UHF signal distribution and general laboratory applications. It is a compact fully solid state design. It features low-level intermodulation distortion and inherent protection against short and open circuit loads. The 601L amplifies the inputs of AM, FM, SSB, pulse and other complex modulations within its output and bandwidth capability.

#### Flexible Operation

The 601L produces 1 Watt of Class A linear output power over a frequency range of 500 KHz to 1000 MHz with a nominal gain of 40 dB (+/-2.5dB). In order to provide exceptionally low levels of IMD, highly linear RF devices are used, with feedback, in the driver and output amplifier stages. All harmonics are more than 22 dB below the fundamental frequency at 1.0 Watt Pout.

#### Rugged Design

An integral power supply allows for operation directly from an input of 115/230 V single phase. Both the power supply and the forced air cooling are conservatively designed for operation over a wide temperature range.



150 Lucius Gordon Drive.  
West Henrietta, NY 14586  
Tel: (585) 214 0598  
Fax: (585) 214 0580  
[www.eandiltd.com](http://www.eandiltd.com)

# 601L POWER AMPLIFIER

**Class of Operation**  
Class A

**Frequency Range**  
500 KHz to 1000MHz

**Rated Output Power**  
1.0 Watt (0.8 – 1000 MHz)

**Gain**  
40 dB

**Gain Flatness**  
+/- 2.5dB

**Input For Rated Output**  
0.1 mw (-10dBm)

**Input Impedance / VSWR**  
50 $\Omega$  2.5:1

**Output Impedance / VSWR**  
50 $\Omega$  3.0:1

Harmonic Level  
< -22 dBc @ 1.0 W output

**Ruggedness**  
 $\infty$ :1 VSWR

**Noise Figure**  
10 dB Typical

**Spurious Output:** <-60dBc

**Primary Power:**  
100 – 240 VAC 47-63 Hz.  
Current consumption 1 amp at 120 V

**Temperature Range**  
0 to 45 degrees C

**Cooling**  
Forced Air

**Weight**  
10 lbs. (4.5 Kg)

**Front Panel**  
Controls: AC On/Off  
Indicators: AC Power On  
Connectors: RF Input/Output (BNC)

**Accessories Supplied**  
Rack mounting adaptors  
Operation Manual  
AC line cord

RF POWER AMPLIFIERS

The ruggedness and reliability you counted on  
from the "old ENI Amplifiers" are back!



150 Lucius Gordon Drive.  
West Henrietta, NY 14586  
Tel: (585) 214 0598  
Fax: (585) 214 0580  
[www.eandiltld.com](http://www.eandiltld.com)