603L

ENI BROADBAND POWER AMPLIFIER

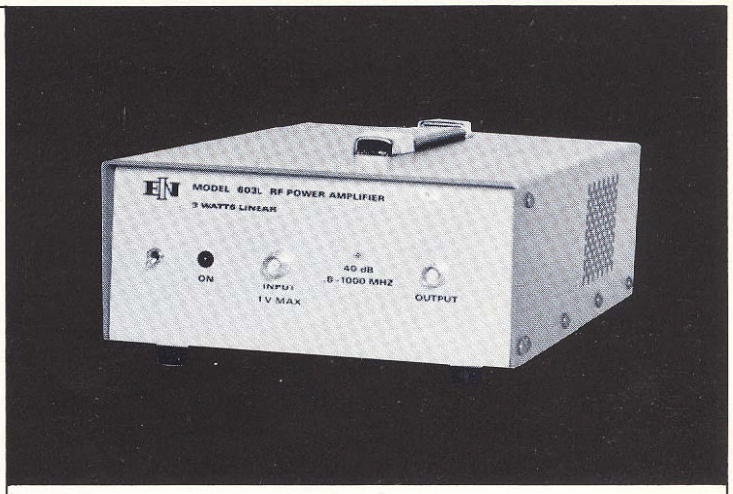
DESCRIPTION

The ENI Model 603L ultra wideband, Class A, solid state amplifier is capable of delivering over 3 watts of power with a flat frequency response from .8 to 1000MHz.

Easily mated with any standard signal or sweep generator this unit provides the ultimate in flexibility and versatility. The unit has a high peak power output of 5 watts and amplifies AM, FM, SSB, TV, pulse and other complex modulation with low distortion.

Constant forward power is continuously available regardless of the output load impedance. Unconditional stability and instantaneous failsafe provisions designed in the unit provide absolute protection from damage due to transients and overloads.

The Model 603L comes complete with power supply and cooling in an attractive and rugged instrument housing.



- ***All Solid State***
- ***Flat 0.8 to 1000MHz***
- ***3 Watts Linear Output***
- ***Up to 5 Watts Saturated Power***
- ***37 dB Gain***
- ***No Bandswitching***

SPECIFICATIONS

Frequency Coverage:	0.8 to 1000MHz
Power Output:	3 watts CW and PEP at rated distortion, up to 5 watts saturated
Input Signals:	Unit will accept CW, AM, FM, SSB, pulse, wideband sweep and other complex modulations, limited only by their bandwidth and peak input level.
Gain:	40dB nominal
Gain Variation:	±1.5dB maximum
Harmonic Distortion:	All harmonics at least 20 dB below the fundamental at 3 watts output. Lower distortion at reduced power.
Typical 3rd Order Intermodulation Intercept Point:	+46dBm
Noise Figure:	10dB nominal
Input Impedance:	50 ohms, VSWR 2:1
Output Impedance:	50 ohms, VSWR 3:1
Stability:	Unconditionally stable; unit will not oscillate for any conditions of load and source impedance.
Protection:	Unit will withstand a +16dB overdrive (input signal of 1V RMS) for all output load conditions, including short and open circuit loads.
Power Requirements:	115/230 VAC ±12% 50/60Hz at 70 Watts
Operating Temperature:	0° to 45° C
Size:	3.5 x 7.9 x 15.5 in. 8.9 x 19.5 x 39 cm.
Weight:	10 lbs.; 4.4 kg.
RF Connectors:	BNC

Printed in USA