

440LA

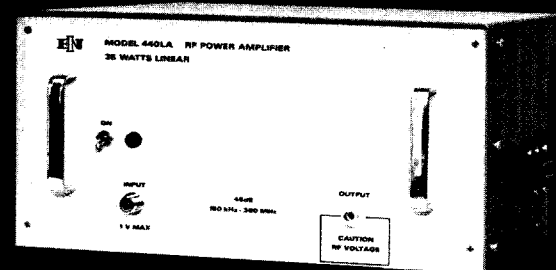
ENI BROADBAND POWER AMPLIFIER

DESCRIPTION

The ENI Model 440LA is a completely solid state RF power amplifier capable of supplying more than 35 watts of linear Class A RF power from 150 kHz to 300 MHz. More than 60 watts of saturated RF power is available at frequencies between 200 kHz and 200 MHz for applications where harmonic distortion is not critical.

An ultra linear Class A design, the 440LA will amplify inputs of AM, FM, SSB, CATV, pulse and other complex modulations. The 45 dB gain of the unit permits it to be driven by virtually all commercial signal and sweep generators. Unconditional stability and instantaneous failsafe provisions in the unit provide absolute protection from damage due to transient and overload conditions.

The outstanding specifications of the Model 440LA make it an excellent unit for applications such as: general laboratory instrumentation, CATV, television studio distribution, wideband signal transmission, transmitters and laser modulation.



- *All Solid State*
- *Flat 150 kHz to 300 MHz*
- *35 Watts Linear Power*
- *60 Watts Saturated Power to 200 MHz*
- *No Band Switching*
- *Works Into Any Load*

SPECIFICATIONS

Frequency Coverage:	150 kHz to 300 MHz	Noise Figure:	11 dB
Gain:	45 dB nominal	Stability:	Unconditionally stable; unit will not oscillate for any conditions of load and source impedances.
Gain Variation:	±1.5 dB	Protection:	Unit will withstand up to 16 dB of overdrive (input signal of 1 volt RMS) for all output load conditions, including short and open circuits.
Maximum Linear Power Output:	More than 35 Watts	Power Requirements:	115/230 VAC ±10% 50-60 Hz at 560 Watts
Harmonic Distortion:	All harmonics greater than 25 dB below the fundamental at 35 Watts output. Lower distortion at reduced power.	Size:	8.6 x 17.2 x 15.7 in. 21.8 x 43.7 x 40 cm.
Typical 3rd Order Intermodulation Intercept Point:	+55 dBm	Weight:	45 lbs. 20.5 kg.
Input/Output Impedance:	50 ohms	Operating Temperature:	0° to 45°C
Input VSWR:	1.4 Maximum	Connectors:	Type N.
Output VSWR:	2.0 Maximum	Rack Mounting:	Adaptors provided