

240 L

ENI BROADBAND POWER AMPLIFIER

DESCRIPTION

Delivering RF power into a load usually requires a good match between the load's impedance and that of the power source. A small mismatch can reduce the amount of power delivered to the load, while a large mismatch may cause damage to the amplifier.

The ENI Model 240L is an all solid state instrumentation amplifier which is immune to these problems. Capable of producing 40 watts of linear Class A power and up to 150 watts of pulse and CW power, the 240L will supply its full power to any load impedance (from an open to a short circuit).

The 240L is drive compatible with all laboratory signal generators, synthesizers and function generators and will accurately reproduce all waveforms within its output and bandwidth capability.

Output RF voltage level as well as power output into 50 ohms, is monitored by a front panel meter. An integral power supply permits operation directly from the AC line.



- *All Solid State*
- *Flat 20 kHz to 10 MHz*
- *12 kHz to 12 MHz Usable Coverage*
- *40 Watts Linear Output*
- *Up to 150 Watts CW and Pulse*
- *Works into Any Load*
- *Failsafe*
- *Metered Output*

SPECIFICATIONS

Frequency Coverage:	20 kHz to 10 MHz	Protection:	Unit will withstand more than 16 dB overdrive (input signal of 1V RMS) for all output load conditions.
Gain:	50 dB, ± 1.5 dB variation	Output Meter:	Average reading volt meter calibrated in RMS volts for a sine wave, with an accuracy of $\pm 3\%$ of full scale (0-100 volts); also calibrated in watts into 50 ohms (0-200 watts).
Max. Class A Linear Power Output:	40 watts	Power Requirements:	115 / 230 VAC $\pm 8\%$, 50-60 Hz, 450 watts
Harmonic Distortion:	Typically more than 30 dB below fundamental at 40 watts output.	Operating Temperature:	0° to +40° C
Max. CW and Pulse Power Output:	Greater than 50 watts 20 kHz to 10 MHz Greater than 100 watts 30 kHz to 4 MHz Greater than 150 watts 40 kHz to 2 MHz	Size:	7 x 10 x 16.5 in. 17.3 x 25.4 x 41.9 cm.
Input/Output Impedance:	50 ohms	Weight:	35 lbs. 15.9 kg.
Input/Output VSWR:	1.5 maximum	Connectors:	BNC
Noise Figure:	9 dB maximum	Rack Mounting:	Adaptors provided
Stability:	Unconditionally stable; unit will not oscillate for any condition of load and source impedance.		

