

3200 L

ENI BROADBAND POWER AMPLIFIER

DESCRIPTION

The ENI Model 3200L is a completely solid state power amplifier capable of providing 200 watts of CW and pulse power over frequency range of 250 kHz to 120 MHz and 175 watts up to 150MHz.

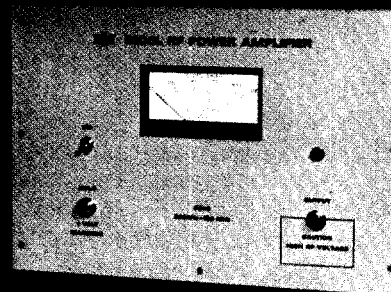
Its 50 ohm output impedance assures maximum power transfer to a 50 ohm load. However, any load from an open to a short circuit can be connected to the output without causing damage or oscillation.

Any signal generator, synthesizer or sweeper will supply adequate signal level to drive the Model 3200L to full output. Its highly linear Class A design will amplify AM, FM, SSB, TV, pulse and other modulation with minimum distortion.

Extraordinarily compact and efficient this 95 pound instrument may be powered by any ordinary single phase receptacle. Both the integral power supply and cooling system are conservatively designed to permit operation over a wide range of temperature and AC line conditions.

SPECIFICATIONS

Frequency Coverage:	250 kHz to 150 MHz
Gain:	55 dB Nominal
Gain Variation:	±1.5 dB
Maximum Linear Power Output:	200 Watts 250 kHz to 120 MHz 175 Watts 120 MHz to 150 MHz
Harmonic Distortion:	All harmonics more than 24 dB below main signal at 150 Watts output. All harmonics are lower at reduced power.
Typical 3rd Order Intermodulation Intercept Point:	+62 dBm
Input/Output Impedance:	50 ohms
Input VSWR:	Less than 1.5
Output VSWR:	Less than 2.5
Noise Figure:	11 dB Maximum
Stability:	Unconditionally stable; unit will not oscillate for any condition of load and source impedance.



- All Solid State
- 250 kHz to 150 MHz Coverage
- 200 Watts Linear Power to 120 MHz
- 175 Watts to 150 MHz
- Works Into Any Load Impedance
- Operates from 115/230V Receptacle
- Failsafe

Protection:	Unit will withstand more than 16 dB of overdrive (input signal of 1V RMS) for all output load conditions.
Output Metering:	Average reading voltmeter calibrated in RMS volts for a sine wave with an accuracy of ±5% of full scale (0-125 volts; also calibrated in Watts into 50 ohms (0-300 Watts).
Power Requirements:	115/230 VAC + 6%—12%, 50-60 Hz, 2000 Watts
Operating Temperature:	0° to + 40° C
Size:	12¼ x 17½ x 23 in. 31.1 x 43.5 x 58.4 cm.
Weight:	95 lbs; 43.1 kgs.
Connectors:	Type N
Rack Mounting:	Adaptors Provided