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Find the *ENI Power Systems 1140LA* at our website: *Click HERE*

1140LA

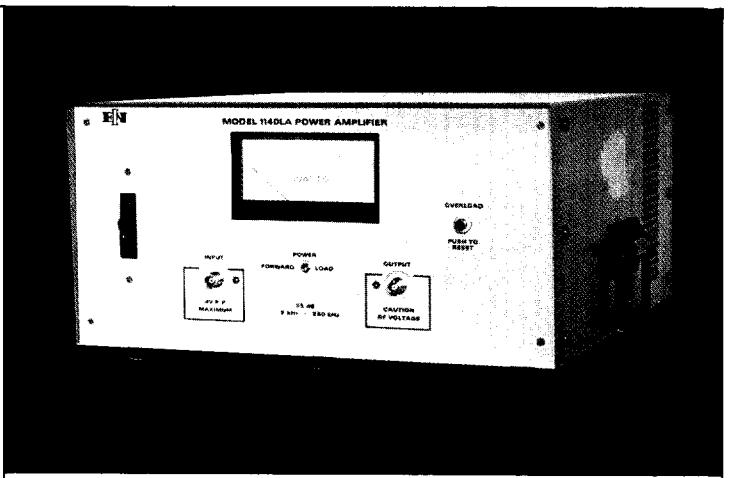
ENI BROADBAND POWER AMPLIFIER

DESCRIPTION

The ENI Model 1140LA is an all solid state power amplifier that operates over the frequency range of 9kHz to 250kHz with a flat gain of 55dB. This rugged, highly reliable amplifier will provide up to 1500 watts of output power. Its 50 ohm input is compatible with any laboratory signal generator, function generator or integrated circuit oscillator.

Any load impedance (from an open to a short circuit) may be connected to the output of the 1140LA without fear of damage or oscillation. The 1140LA provides maximum power transfer to a 50 ohm load impedance, however any load impedance between 2 and 800 ohms can be driven by connecting a matching transformer between the output and the load.

A built-in true average power meter measures both the power leaving the 1140LA (forward power) and the power absorbed by the load (load power). Complete with built-in power supply and cooling system, the 1140LA will operate from any 115 VAC line capable of a 35 ampere draw.



- ***All Solid State***
- ***Up to 1.6 Kilowatts Continuously Available***
- ***9 kHz to 250 kHz Flat***
- ***Power Meter Measures Actual Load Power***
- ***Drives Any Transducer***
- ***Cannot be Damaged by Load Mismatch***
- ***Rugged and Light Weight***
- ***Easy Maintenance***

SPECIFICATIONS

Frequency Coverage:	9kHz to 250kHz flat
Gain:	55dB (nominal)
Drive Source Requirement:	Any signal generator, function generator or oscillator capable of up to 2 volts P-P output into 50 ohms.
Maximum Power Output:	8-11kHz over 1.2kW 11-75kHz over 1.6kW 75-180kHz over 1.5kW 180-250kHz over 1.1kW
Input Impedance:	50 ohms
Matched Output Load Impedance:	50 ohms; the unit will supply full power to any load impedance between 40 and 60 ohms, resistive.
Power Required:	115 VAC ±6%, 50-60Hz, 35 amperes maximum
Operating Temperature:	0° to 45° C Ambient
Rack Mounting:	19 inch rack adaptors
Mismatch Protection:	The unit will tolerate 400 watts of power reflected from any load impedance, subject to operation of the thermal protection. Instantaneous cut-out is provided should the load mismatch exceed allowable limits.
Thermal Protection:	Thermostatic protection provides automatic cutout should the power transistors overheat due to load mismatch or cooling system failure. Automatic reset upon cooling.
Power Meter:	True average reading accurate to better than ±2 percent of full scale (0-2000 watts). Front panel switch permits measurement of the forward power (power leaving the amplifier) and the actual power absorbed by the load.
Size:	8.75 x 17 x 20.25 in. 22.2 x 43.2 x 51.4 cm
Weight:	50 lbs.; 22.7 kg.

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