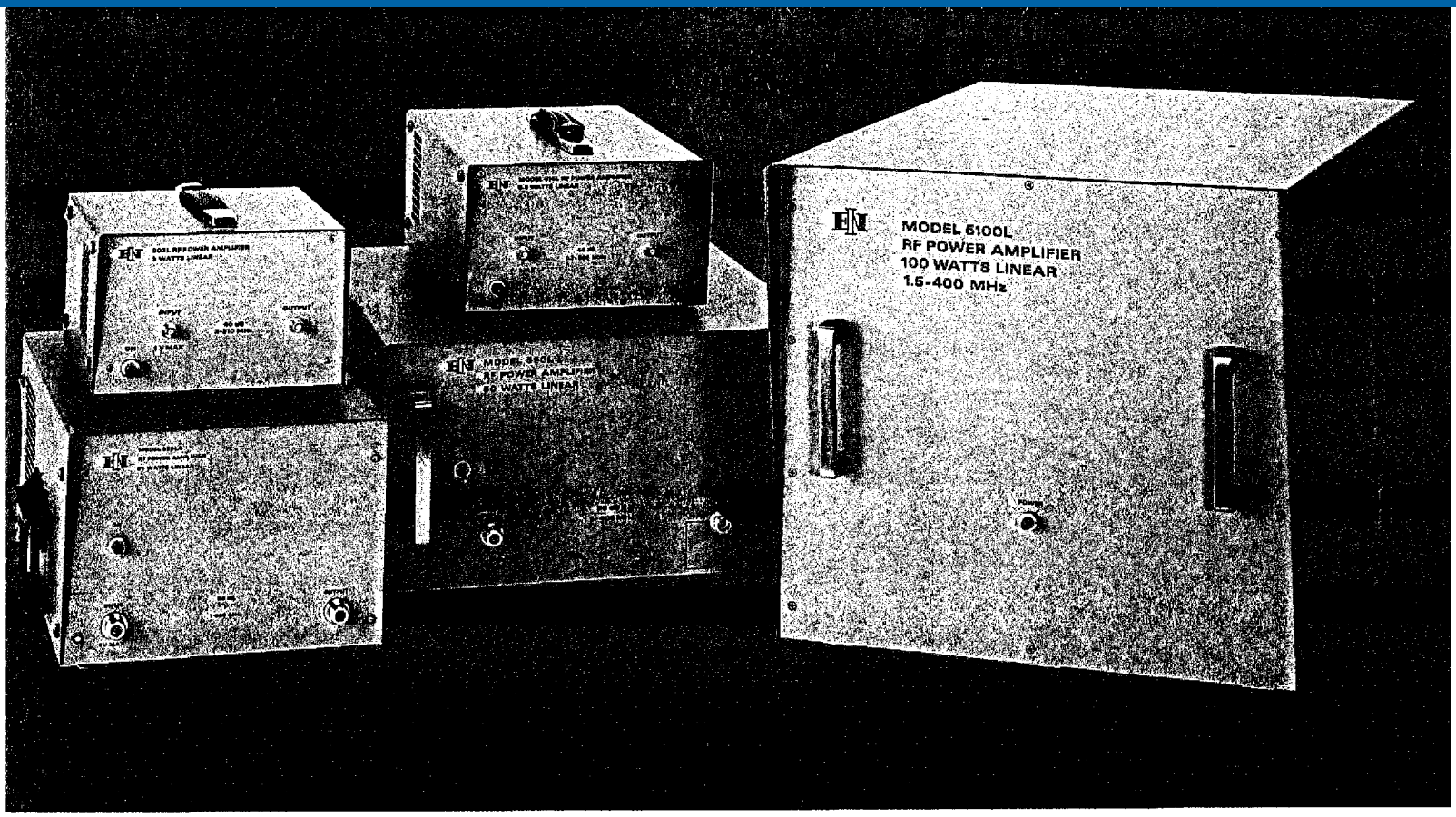
Established 1981

Advanced Test Equipment Rentals
www.atecorp.com 800-404-ATEC (2832)



Covering the frequency range between 1 to 500MHz, the four units that make up the "500" Series amplifiers range in linear power output from 3 to 100 Watts.

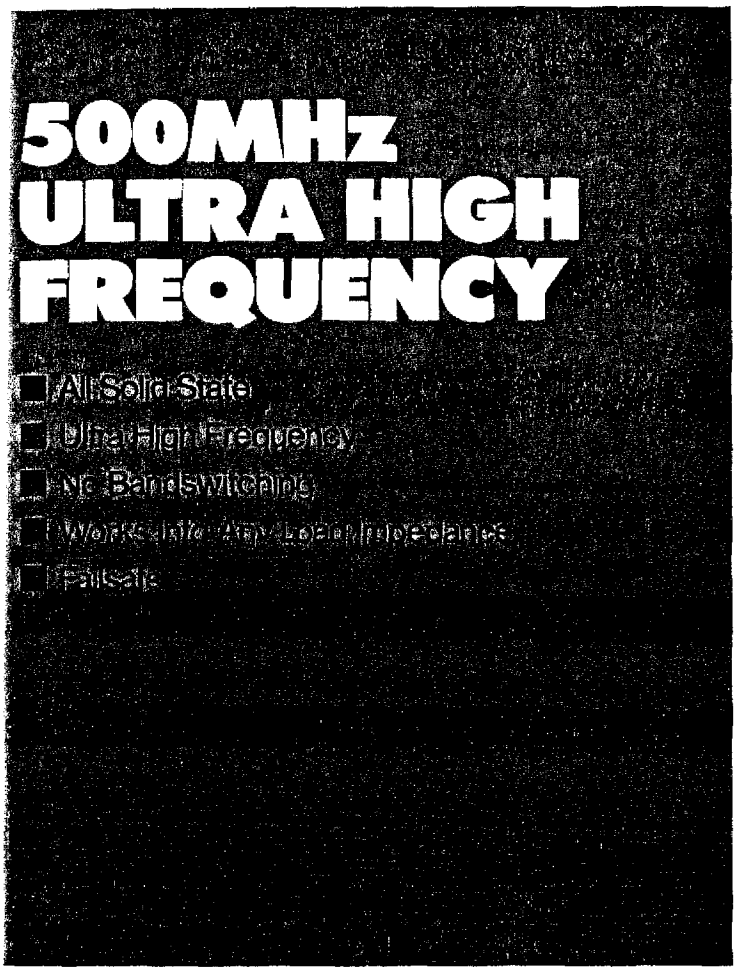
The Model 550L and 5100L cover the frequency range of 1.5 to 400MHz with a flat gain of 50dB and Class A power outputs of 50 and 100 Watts, respectively. When used in applications requiring maximum output power the units will provide more than twice their Class A power over the frequency range of 1.5 to 200MHz.

With a flat frequency response over the range of 1 to 500MHz the Model 525LA will provide 25 Watts of Class A power. When used in applications below 200MHz the unit will provide output power in excess of 40 Watts.

The Model 503L covers the frequency range of 2 to 500MHz and will provide three Watts of Class A power.

The versatility and outstanding performance specifications of the "500" Series amplifiers make them ideal for use in applications such as RF transmission, RFI/EMI susceptibility, NMR Spectroscopy and general laboratory instrumentation.

ENI



INPUT SIGNALS: The units will accept CW, AM, FM, SSB, CATV, Pulse and other complex modulations limited only by their bandwidth and peak input level.

HARMONIC DISTORTION: All harmonics greater than 25dB down at maximum linear power output. Lower at reduced power.

STABILITY: Unconditionally stable; units will not oscillate for any condition of load and source impedance.

PROTECTION: Units will withstand more than 16dB overdrive (input signal of 1V rms) for all output load conditions.

FAILSOFT CAPABILITY: A high degree of operational reliability is assured in the "500" Series through the use of the ENI hybrid coupling technique. With this technique, the power output of a number of individual power transistors is combined to provide the total amplifier power output. Failure of any one power transistor (a remote possibility), will only result in a proportional decrease in output and not total loss of power.

SPECIFICATIONS	MODEL 503L	MODEL 525LA	MODEL 550L	MODEL 5100L
FREQUENCY COVERAGE	2 to 510MHz	1 to 500MHz	1.5 to 400MHz	1.5 to 400MHz
MAXIMUM CLASS A LINEAR POWER OUTPUT	3 Watts	25 Watts	50 Watts	100 Watts
GAIN	40dB (Nominal)	50dB (Nominal)	50dB (Nominal)	50dB (Nominal)
GAIN VARIATION	± 1.5dB	± 1.5dB	± 1.5dB	± 1.5dB
TYPICAL 3RD ORDER INTERMODULATION INTERCEPT POINT	+44dBm	+56dBm	+59dBm	+62dBm
INPUT/OUTPUT IMPEDANCE	50 Ohms	50 Ohms	50 Ohms	50 Ohms
INPUT VSWR	1.5:1 Maximum	1.8:1 Maximum	1.8:1 Maximum	1.8:1 Maximum
OUTPUT VSWR	2.5:1 Maximum	3:1 Maximum	2.5:1 Maximum	2.5:1 Maximum
NOISE FIGURE	10dB (Nominal)	12dB (Nominal)	12dB (Nominal)	12dB (Nominal)
POWER REQUIREMENTS	115 Vac ±10% 50/60Hz 1.2 Amperes 230 Vac ±10% 50/60Hz .6 Amperes	115 Vac ±8% 50/60Hz 6 Amperes 230 Vac ±8% 50/60Hz 3 Amperes	115 Vac ±8% 50/60Hz 12 Amperes 230 Vac ±8% 50/60Hz 6 Amperes	115 Vac +6%-12% 50/60Hz 22 Amperes 230 Vac +6%-12% 50/60Hz 11.5 Amperes
OPERATING TEMPERATURE	0° to 45°C	0° to 45°C	0° to 45°C	0° to 45°C
SIZE	5.25 x 8.5 x 10 in. 13.3 x 12.6 x 25.4 cm	7.5 x 10.2 x 17.1 in. 19 x 25.9 x 43.4 cm	8.5 x 15.5 x 19.75 in. 39.4 x 50.2 x 21.6 cm	15.7 x 17.1 x 23 in. 39.9 x 43.4 x 58.4 cm
WEIGHT	11 lbs., 5 kg	42 lbs., 19 kg	59 lbs., 26.8 kg	102 lbs., 46.3 kg
CONNECTORS	BNC	Type N	Type N	Type N
RACK MOUNTING	Adaptors Provided	Adaptors Provided	Adaptors Provided	Adaptors Provided