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MODEL 1000LA  
1000 WATTS  
10 KHz-220 MHz

The Model 1000LA is an economical, self-contained, air-cooled broad band amplifier designed for laboratory applications that require instantaneous bandwidth, high gain, and high power output. Housed in a stylish contemporary enclosure, the 1000LA occupies approximately one-half the space of competitive units with similar power levels. All operating controls are functionally grouped on the front panel for simplicity of operation. These include modern, lighted pushbutton switches for the command functions, POWER, STANDBY, and OPERATE, a control for setting the output level of the amplifier, and a meter for monitoring critical operating voltages and currents. A highly versatile unit, the 1000LA features rugged circuitry to permit operation into any load impedance without shutdown or damage. A quick-acting, solid state crowbar circuit protects the final amplifier tubes from arc damage. An electronic blanking circuit is provided to enable rapid shutdown or gating of the amplifier.

POWER OUTPUT.....	1000 watts cw minimum into 50ohms 750 watts at less than 1.0 dB gain compression
FLATNESS.....	±1.5 dB
FREQUENCY RESPONSE.....	10 KHz to 220 MHz instantaneously
INPUT POWER FOR RATED OUTPUT.....	1.0 milliwatt
GAIN (At Maximum Setting).....	60 dB minimum
GAIN ADJUSTMENT RANGE.....	18 dB continuous
INPUT IMPEDANCE.....	50 ohms, VSWR 1.5:1 maximum
OUTPUT IMPEDANCE.....	50 ohms, VSWR 2.0:1 maximum
HARMONIC DISTORTION AT 1000 WATTS	
Above 120 MHz.....	Minus 30 dBc maximum
Below 120 MHz.....	Minus 17 dBc maximum Minus 22 dBc nominal
BLANKING INPUT PULSE.....	Plus 5±1 VOLT
MISMATCH TOLERANCE.....	100%, rugged circuitry permits operation without shutdown, foldback, or damage with any magnitude and phase of source and load impedance
PRIMARY POWER OPTIONS.....	200/208 VAC, 3 phase, 50/60 Hz (Specify One) 380/415 VAC, 3 phase, 50/60 Hz 10.3 KVA nominal
CONNECTORS.....	Input: Type BNC Female Output: Type C Female Blanking: Type BNC Female
WEIGHT.....	166 kg. (365 lbs.)
SIZE (W x H x D).....	56.1 x 87.6 x 58.4 cm 22.1 x 34.5 x 23.0 in

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

REV1086

FORM 211 REV 0783