

ENI A SERIES RF AMPLIFIERS

HIGH FREQUENCY

300KHz to 35MHz, 150 to 1000 Watts

The "A" Series of power amplifiers covers the frequency range of 300KHz to 35MHz with linier power output ranging form 150 to 1000 Watts and with saturated power output up to 2000 Watts.

Primarily designed for use in HF transmitters, nuclear accelerators, NMR systems, plasma equipment and RFI/EMI applications. These extraordinarily compact and efficient RF sources will operate reliably under the most extreme environmental conditions without damage or failure.

Highly linear Class A units will amplify AM, FM, SSB, Pulse and other complex modulations with minimum distortion. Unconditional stability and absolute protection against overdrive and overload makes them ideal for applications involving highly mismatched or non-linear loads such as gas plasmas. Their high gain and flat frequency response makes them compatible with all laboratory signal generators and synthesizers.

Front panel meters display RF output voltage as well as power output into 50 ohms. Integral regulated power supplies and cooling systems permit full power operation over a wide range of temperature and AC line conditions.

SPECIFICATIONS

	MODEL A-150	MODEL A-300	MODEL 1-500	MODEL A-1000
FREQUENCY COVERAGE	300KHz TO 35 MHz	300KHz TO 35 MHz	300KHz TO 35 MHz	300KHz TO 35 MHz
MAXIMUM CLASS A LINEAR POWER OUTPUT	150 Watts	300 Watts	500 Watts	1000 Watts
GAIN	55 dB (nominal)	55 dB (nominal)	60 dB (nominal)	60 dB (nominal)
GAIN VARIATION	± 1 dB	± 1 dB	± 1 dB	± 1.5 dB
TYPICAL 3 rd ORDER INTERMODULATION INTERCEPT POINT	+ 61 dBm	+ 64 dBm	+ 66 dBm	+ 69 dBm
INPUT/OUTPUT IMPEDANCE	50 Ohms	50 Ohms	50 Ohms	50 Ohms
INPUT VSWR	1.5:1 Maximum	1.5:1 Maximum	1.5:1 Maximum	1.5:1 Maximum
OUTPUT VSWR	2:1 Maximum	2:1 Maximum	3.5:1 Maximum	4.5:1 Maximum
NOISE FIGURE	10dB (nominal)	10dB (nominal)	10dB (nominal)	12dB (nominal)
POWER REQUIREMENTS	115VAC 50/60 Hz 12A 230VAC 50/60 HZ 6A	115VAC 50/60 Hz 25A 230VAC 50/60 HZ 12.5A	208, 230, 245VAC Tap Selected ±5% 50/60Hz 20A	208, 230 VAC ±5% 3 phase 22A/phase
OPERATING TEMPERATURE	0° to 40°C	0° to 40°C	0° to 40°C	0° to 40°C
SIZE	8.75"x17"x17"	12.25"x17.13"x19.75"	25.5"x17"x22.5"	52.5"x16.75"x21.5"
WEIGHT	59 Lbs	89 Lbs	165 Lbs	370 Lbs
CONNECTORS	Type N	Type N	Type N	Type N