

RF Power Amplifier

The A1000 Power Amplifier is 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 Ω . Integral regulated power supplies and cooling systems permit full power operation over a wide range of temperature and AC line conditions.

Features

- All solid state
- Flat 0.3 to 35 MHz
- No bandswitching
- Works into any load impedance
- Failsafe
- Easy Maintenance

Specifications

Frequency Coverage	300 kHz to 35 MHz
Linear Power Output	1000 Watts
Gain	60 dB (Nominal)
Gain Variation	± 1.5 dB
Input/Output Impedance	50 Ω
Power Requirements	208 Vac \pm , 5% 3 phase, 22 Amp per phase
Output Metering	0 - 300 Volts, 0 - 1800 Watts
Connectors	Type N

