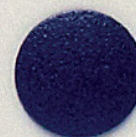


RF OUTPUT



Amplifiers

From 10 Hz - 50 GHz, We Have an Amplifier for You

With over 50 years of proven experience, all our amplifiers are Built to Last with the reliability that has made AR legendary. AR utilizes proprietary techniques to deliver the most reliable and robust designs possible, with 100% mismatch tolerance, low harmonics, superior gain flatness, and excellent linearity. AR's amplifiers also embrace an intuitive user-interface that includes touch-screen panels.

With over 100 amplifier models ranging from 10 Hz - 50 GHz and power levels of 1 W - 100 kW, AR amplifiers have the frequency and power range to meet your needs.

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RF Solid State Amplifiers

10 Hz - 1 GHz, 1 W - 100 kW

All our RF solid-state amplifiers have a capability that will faithfully reproduce AM, FM or Pulse Modulation appearing on the input signal for use in the most demanding applications.

These self-contained, broadband, completely solid-state amplifiers are designed for applications requiring the ultimate in output power over a wide instantaneous bandwidth with high gain. Extensive control and status reporting capabilities are available both locally and remotely, providing flexible integration into any existing system and provisions for future communication buses.

Incorporated in this portfolio are air-cooled amplifiers, including a 10,000 W, saving the need for an external heat exchanger.



"Universal" Series Amplifiers

10 kHz - 1000 MHz, 1 - 500 W

The "U" Series is an extremely wide band, Class A design that is ideal for universal applications such as laboratory and EMC testing; testing antennas, components, piezoelectric devices, wireless chargers, and more. The "U" Series are single band amplifiers available in 3dB output power increments up to 500 W of power.

They also offer a mismatch tolerance of $\infty:1$, meaning they can operate without damage or oscillation when connected to any load impedance without the aid of foldback circuitry.



Microwave Amplifiers

0.7 - 18 GHz, 15 - 1000 W

AR's microwave amplifiers are denoted as the "S" Series amplifiers, covering the 0.7 - 18 GHz frequency range. These amplifiers operate in frequency bands including; 0.7 - 6 GHz, 1 - 2.5 GHz, and 6 - 18 GHz. Each band covers multiple power levels offering the highest available power for a specific frequency range, eliminating a dual-band operation and the need for multiple amplifiers. In addition to EMC testing, these amplifiers are particularly suited to Telecommunications testing requirements such as power drivers for Digital Predistortion, High-Temperature Operating Life, and Production Burn-in Systems.



Solid State Pulsed Amplifiers

Octave Frequencies: 1 - 2 GHz, 2 - 4 GHz,

Narrowband Frequencies: 1.2 - 1.4 GHz, 2.7 - 3.1 GHz

Power: 1 W - 80 kW



For automotive and military EMC radiated immunity susceptibility testing, as well as radar and communication applications, Solid State Pulsed Amplifiers offer high-power RF levels offering an attractive alternative to TWTAs.

These rugged amplifiers offer high reliability, harmonic distortion of -18dBc at 1dB compression point, and will operate without damage or oscillation with any magnitude and phase of source and local impedance.

TWT Amplifiers

2.5 - 50 GHz, 40 W - 20 kW CW and Pulse

Traveling Wave Tube Amplifiers (TWT, TWT Amplifiers) are used for high power microwave test applications. When test needs call for higher power and higher frequency, consider our "T" (CW) Series and "TP" (pulse) microwave amplifier line. These amplifiers provide coverage for a wider range of test applications than any other brand of microwave amplifier on the market. TWT amplifiers from AR feature "sleep mode", which allows the user to selectively shut off the heater module of the power supplies through the front panel of the amplifier or remotely via the computer interface. This eliminates excessive STANDBY hours to help improve the TWTs tube life.



World-Class Caliber Support & Service

Your amplifier is an investment that should serve you for years. When you buy an AR amplifier, the purchase is the first step in a long-term relationship. AR backs our products and supports customers with a 3-year warranty (1 year on TWT amplifiers and traveling wave tubes), a US-based customer service department coordinating and training a worldwide network of distributors and service houses, and application engineers on call to answer your questions at [+1.800.933.8181](tel:+18009338181).

Contact our service department at [215.723.0275](tel:2157230275) or email info@arworld.us.





Visit our website to learn more about our additional Total Solutions offerings:

- Accessories
- Antennas
- Chambers
- Software
- Systems

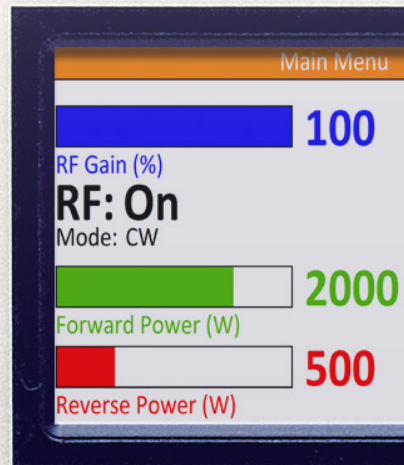
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We're with you all the way

POWER



RF INPUT



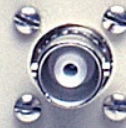
INHIBIT



LOCAL

REMOTE

FORWARD
MONITOR



REVERSE
MONITOR



Amplifiers

From 10 Hz - 50 GHz, We Have an Amplifier for You