

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

AMPLIFIER RESEARCH

Amplifier Research 200W1000

Amplifier Research 200W1000 Solid State RF Amplifier The Amplifier Research 200W1000 is a solid-state air-cooled broadband amplifier providing 200 W CW minimum from 80 MHz to 1000 MHz. OEM W1000 family documentation lists Class A solid-state stages, digital control, and remote bus interfaces for RF susceptibility and lab RF power applications. RF susceptibility testing, antenna and component testing, wattmeter calibration, and higher-power amplifier driver service through 1 GHz. Solid state broadband W1000 family design The Amplifier Research 200W1000 is a solid-state air-cooled broadband amplifier providing 200 W CW minimum from 80 MHz to 1000 MHz. OEM W1000 family documentation lists Class A solid-state stages, digital control, and remote bus interfaces for RF susceptibility and lab RF power applications. RF susceptibility testing, antenna and component testing, wattmeter calibration, and higher-power amplifier driver service through 1 GHz. Solid state broadband W1000 family design Digital local and remote amplifier control



MODEL

**Amplifier Research
200W1000**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

200W1000

LISTING

<https://aumictechlabs.com/products/200w1000-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Amplifier Research 200W1000M7 is a solid-state RF amplifier delivering 200 watts minimum continuous wave power across 80 MHz to 1000 MHz. Built on push-pull circuitry in high-power stages, it combines high gain with instantaneous broadband coverage while maintaining

exceptional stability and low distortion. The amplifier operates unconditionally stable into any magnitude and phase of source and load impedance at rated output, eliminating concerns about mismatch-induced damage, foldback, or oscillation.

Technical Specifications

Power Output (CW): 200 W minimum; 265 W typical

Power Output (Linear @ 1 dB compression): 140 W minimum

Frequency Range: 80 MHz to 1000 MHz

Gain Flatness: ± 2.0 dB maximum; ± 1.5 dB typical; ± 0.8 dB with internal leveling

Input Signal Level: 1.0 mW maximum for rated output

Mismatch Tolerance: 100% operational capability at rated output power; unconditional stability with any load impedance

Modulation: AM, FM, and pulse modulation reproduced faithfully

Cooling: Air cooled

Key Features

- Push-pull output stage design for enhanced stability and distortion minimization
- Instantaneous frequency coverage eliminates retuning between test frequencies
- Unconditional stability into arbitrary source and load impedances
- Modulation-transparent signal path preserves input waveform fidelity
- Type N female RF connectors

Typical Applications

- RF susceptibility testing and EMC validation
- Antenna and component RF characterization
- Watt meter calibration and verification
- Driver amplifier for higher-power RF systems

Compatibility & Integration

Remote control via Amplifier Research CP2001 (TTL-level interface) or CP3000 (IEEE 488 interface). All amplifier control functions and status indications available remotely in GPIB/IEEE-488 and RS-232 format.

200W1000 Characteristics / Specifications

PARAMETER	VALUE
Rated Output Power	200 watts minimum
Frequency Response	80 to 1000 MHz instantaneously
Gain At Maximum Setting Class	53 dB minimum class
Input For Rated Output Class	1.0 milliwatt maximum
Flatness Maximum Class	plus or minus 2.0 dB
Gain Adjustment Range Class	18 dB minimum class
Input Impedance Class	50 ohms VSWR 2.0:1 maximum
Output Impedance Class	50 ohms nominal
Mismatch Tolerance Class	Operate with reflected power limiting class
Harmonic Distortion Class	minus 20 dBc maximum near rated power
Third Order Intercept Class Typical	59 dBm class
Modulation Capability Class	AM FM pulse faithful reproduction
Remote Interfaces Class	IEEE 488 and RS 232
Cooling	Forced air self contained fans
RF Connector Class	TypeNfemale
Form Factor	Portable self contained air cooled cabinet
Series Family	Amplifier Research W1000 80 to 1000 MHz
Power Class Sibling 150W10	150 W minimum
Power Class Sibling 250W1000B	250 W minimum
Primary Power Class	Universal AC mains kilowatt class
Export Classification Class	EAR99 family class
ALC Capability Class	Internal external ALC path class

200W1000 Specifications

PARAMETER	VALUE
Amplifier Research 200W1000 Solid State RF Amplifier	Overview
Applications	RF susceptibility testing, antenna and component testing, wattmeter calibration, and higher-power amplifier driver service through 1 GHz.
Key Features	Solid state broadband W1000 family design
Technical Specifications	Rated Output Power: 200 watts minimum

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Rated Output Power	200 watts minimum
Frequency Response	80 to 1000 MHz instantaneously
Gain At Maximum Setting Class	53 dB minimum class
Input For Rated Output Class	1.0 milliwatt maximum
Flatness Maximum Class	plus or minus 2.0 dB
Gain Adjustment Range Class	18 dB minimum class
Input Impedance Class	50 ohms VSWR 2.0:1 maximum
Output Impedance Class	50 ohms nominal
Mismatch Tolerance Class	Operate with reflected power limiting class
Harmonic Distortion Class	minus 20 dBc maximum near rated power
Third Order Intercept Class Typical	59 dBm class
Modulation Capability Class	AM FM pulse faithful reproduction
Remote Interfaces Class	IEEE 488 and RS 232
Cooling	Forced air self contained fans
RF Connector Class	TypeNfemale
Form Factor	Portable self contained air cooled cabinet
Series Family	Amplifier Research W1000 80 to 1000 MHz
Power Class Sibling 150W1000	150 W minimum
Power Class Sibling 250W1000B	250 W minimum
Primary Power Class	Universal AC mains kilowatt class
Export Classification Class	EAR99 family class
ALC Capability Class	Internal external ALC path class
Notes	
Rated power and frequency from Amplifier Research 200W1000 OEM/rental W1000 family documentation. Confirm compression table, exact gain, and mass on the unit datasheet.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.