

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

KALMUS

Kalmus KAA4020

Hardwire Remote: 25-pin D-subminiature connector Optional Remote Module:
IEEE488.2/RS232 Interface Controller Module Remote Power On Off: Accessible via hardwire
remote on basic model Series Family: KAA4020 / KAA4020P / KAA4021P Optional Remote
Module: IEEE488.2/RS232 Interface Controller Module Remote Power On Off: Accessible via
hardwire remote on basic model Series Family: KAA4020 / KAA4020P / KAA4021P Related
Pulsed Model: KAA4020P 500 W pulsed; KAA4021P 300 W pulsed



MODEL

Kalmus KAA4020

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

KAA4020

LISTING

<https://aumictechlabs.com/products/kaa4020-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kalmus KAA4020 is a broadband RF power amplifier delivering 25 W into a 50 Ω load across the 10 kHz to 230 MHz frequency range. Designed for laboratory applications, communications work, and RF immunity testing, it operates without tuning, band switching, or manual adjustments. The amplifier achieves a minimum power gain of 43 dB and accepts drive levels from standard signal generators. Technical Specifications Frequency Range: 10 kHz to 230 MHz Rated Output Power: 25 W into 50 Ω load Power Gain: Minimum 43 dB Input Impedance: 50 Ω nominal Output Impedance: 50 Ω nominal Class of Operation: Linear Class A Input Power for Full Output: 1 mW Key Features Zero-adjustment operation - no tuning or band switching required Automatic thermal protection with gate bias interruption at overtemperature Automatic recovery when temperature

normalizes N-type female connectors Forced-air cooling AC power indicator and temperature indicator Primary power: 100–240 VAC, 50/60 Hz Typical Applications General-purpose RF amplification in laboratory settings Communications systems requiring linear amplification RF immunity and susceptibility testing Signal conditioning for test and measurement Compatibility & Integration The KAA4020 integrates directly with standard RF signal generators and test equipment operating at industry-standard 50 Ω impedance. Its broad frequency range and fixed-gain architecture eliminate the need for reconfiguration across multiple applications.

KAA4020 Characteristics / Specifications

PARAMETER	VALUE
Model	KAA4020
Manufacturer	Kalmus / AR Modular RF
Frequency Range	1 MHz to 50 MHz
Rated Output Power	more than 500 W CW into 50 Ohm
Power Gain Minimum	57 dB
Class Of Operation	Class AB
Load Impedance	50 Ohm
Form Factor	19 inch rack mount
ALC	Yes
RF Gain Control	Yes
Overdrive Protection	Yes
VSWR Protection	Full VSWR protection
Input Blanking	Yes
Over Temperature Protection	Yes
Forward Reflected Indication	Front-panel analog meter
Hardwire Remote	25-pin D-subminiature connector
Remote Power On Off	Accessible via hardwire remote on basic model
Series Family	KAA4020 / KAA4020P / KAA4021P
Related Pulsed Model	KAA4020P 500 W pulsed; KAA4021P 300 W pulsed
Operating Mode	CW (KAA4020)
Brand Lineage	Kalmus / AR Modular RF

KAA4020 Specifications

PARAMETER	VALUE
Kalmus AR Modular RF KAA4020 RF Power Amplifier	Overview
Applications	High-power HF/VHF RF drive, EMC, and scientific RF amplification from 1 MHz to 50 MHz at the 500 W class.
Key Features	Class AB wideband 500 W CW
ALC and RF gain control	Optional GPIB/RS-232 controller module
Technical Specifications	Model: KAA4020
Notes	From AR Modular RF / Kalmus KAA4020 series product description and datasheet summaries.

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	
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Notes

From AR Modular RF / Kalmus KAA4020 series product description and datasheet summaries.

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

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