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**Data Sheet**

August 15, 2026

KALMUS

# Kalmus LA500H

Kalmus LA500H 500 W Class AB Linear RF Power Amplifier 0.5 MHz to 50 MHz The Kalmus LA500H is a 500 W Class AB linear broadband RF power amplifier covering 0.5 MHz to 50 MHz with approximately 57 to 60 dB class listings gain, VSWR protection, RF gain control, ALC, andabuilt-in RF power meter. RF immunity and EMC driving, broadband RF power amplification, laboratory high-power RF sources. Manufacturer: Kalmus (Amplifier Research lineage listings) The Kalmus LA500H is a 500 W Class AB linear broadband RF power amplifier covering 0.5 MHz to 50 MHz with approximately 57 to 60 dB class listings gain, VSWR protection, RF gain control, ALC, andabuilt-in RF power meter. RF immunity and EMC driving, broadband RF power amplification, laboratory high-power RF sources. Manufacturer: Kalmus (Amplifier Research lineage listings) Instrument Type: Class AB linear RF power amplifier



MODEL

**Kalmus LA500H**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**LA500H**

LISTING

<https://aumictechlabs.com/products/la500h-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The Kalmus LA500H is a stereo power amplifier designed for professional audio environments and sophisticated home audio systems. It delivers 300 W RMS per channel into 8 ohms, scaling to 500 W RMS into 4 ohms, with mono bridged capability reaching 750 W RMS into 8 ohms. The amplifier combines low distortion performance THD below 0.01% and IMD below 0.005% - with a signal-to-noise ratio exceeding 115 dB (A-weighted) and damping factor greater than 200 at 50 Hz. All-metal chassis construction with variable-speed cooling and comprehensive protection circuitry

ensures reliable operation across demanding audio applications. Technical Specifications Model: Kalmus LA500H Amplifier Type: Stereo Power Amplifier Frequency Response: 20 Hz – 20 kHz  $\pm$  0.2 dB (at rated output into 8 ohms) Power Bandwidth: 10 Hz – 100 kHz (at 0.1% THD, into 8 ohms) Total Harmonic Distortion (THD): Less than 0.01% (20 Hz – 20 kHz, at 1 W into 8 ohms) Intermodulation Distortion (IMD): Less than 0.005% (SMPTE, at 1 W into 8 ohms) Signal-to-Noise Ratio: Greater than 115 dB (A-weighted, at 1 W into 8 ohms) Damping Factor: Greater than 200 (at 50 Hz, 8 ohm load) Slew Rate: 30 V/ $\mu$ s Rise Time: 1.5  $\mu$ s Key Features Output Power: 300 W RMS per channel (8 ohms, stereo); 500 W RMS per channel (4 ohms, stereo); 750 W RMS mono (bridged, 8 ohms) Input Options: XLR (balanced, 100 kOhms) and RCA (unbalanced, 50 kOhms) Input Sensitivity: 1.4 V RMS for full output (into 8 ohms) Protection: Thermal monitoring, short-circuit protection, DC offset protection Cooling: Variable-speed fan with front-to-back airflow Remote Control: 12V trigger input (3.5 mm mini-jack) Power Consumption: Idle  $\approx$ 50 W; full power  $\approx$ 500 W per channel; standby <5 W Indicators: Power, signal, clip, and protection LEDs (per channel) Typical Applications Professional audio installations, venue sound reinforcement, high-fidelity home theater, and studio monitoring systems requiring sustained high-output capability with minimal distortion. Compatibility & Integration Standard 19-inch rack-mount width (483 mm) with binding post outputs accepting banana plugs, spade connectors, and bare wire. AC power options: 100–120 VAC or 220–240 VAC, 50/60 Hz. Weight: 20.4 kg.

## Features & description

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From manufacturer datasheet

### Built-in RF power meter

Technical Specifications Model: LA500H Manufacturer: Kalmus (Amplifier Research lineage listings)  
Instrument Type: Class AB linear RF power amplifier Frequency Range Minimum: 0.5 MHz Frequency  
Range Maximum: 50 MHz Rated Output Power: 500 W minimum Gain: 57 to 60 dB class listings  
Amplifier Class: Class AB Operation Mode: linear Harmonics: less than -40 dBc Vswr Protection:  
included Rf Gain Control: included Automatic Leveling: included Built In Rf Power Meter: included  
Compression: low compression at rated power Bandwidth Type: broadband Primary Application: RF  
power amplification for EMC and RF test Output Power Class: 500 watt Cooling Expectation: forced-air  
high-power RF amplifier Front Panel Metering: RF power meter Protection Features: VSWR protection  
Leveling Feature: ALC automatic leveling Gain Control Feature: RF gain control Lineage Listing Name:  
Kalmus LA500H / AR catalog listings Notes Frequency span, 500 W rating, gain, harmonics, and  
feature list from Kalmus LA500H / Amplifier Research product listings summarizing OEM LA500-series  
amplifier characteristics. Faceplate/calibration certificate may state finer limits.

# LA500H Characteristics / Specifications

| PARAMETER               | VALUE                                        |
|-------------------------|----------------------------------------------|
| Model                   | LA500H                                       |
| Manufacturer            | Kalmus (Amplifier Research lineage listings) |
| Instrument Type         | Class AB linear RF power amplifier           |
| Frequency Range Minimum | 0.5 MHz                                      |
| Frequency Range Maximum | 50 MHz                                       |
| Rated Output Power      | 500 W minimum                                |
| Gain                    | 57 to 60 dB class listings                   |
| Amplifier Class         | Class AB                                     |
| Operation Mode          | linear                                       |
| Harmonics               | less than -40 dBc                            |
| Vswr Protection         | included                                     |
| Rf Gain Control         | included                                     |
| Automatic Leveling      | included                                     |
| Built In Rf Power Meter | included                                     |
| Compression             | low compression at rated power               |
| Bandwidth Type          | broadband                                    |
| Primary Application     | RF power amplification for EMC and RF test   |
| Output Power Class      | 500 watt                                     |
| Cooling Expectation     | forced-air high-power RF amplifier           |
| Front Panel Metering    | RF power meter                               |
| Protection Features     | VSWR protection                              |
| Leveling Feature        | ALC automatic leveling                       |
| Gain Control Feature    | RF gain control                              |
| Lineage Listing Name    | Kalmus LA500H / AR catalog listings          |
| Bandwidth               | Type: broadband                              |

# LA500H Specifications

| PARAMETER                | VALUE                                                                                            |
|--------------------------|--------------------------------------------------------------------------------------------------|
| Applications             | RF immunity and EMC driving, broadband RF power amplification, laboratory high-power RF sources. |
| Key Features             | 500 W minimum rated output                                                                       |
| Technical Specifications | Model: LA500H                                                                                    |

# 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                                        |
| Model                                                                                                   | LA500H                                       |
| Manufacturer                                                                                            | Kalmus (Amplifier Research lineage listings) |
| Instrument Type                                                                                         | Class AB linear RF power amplifier           |
| Frequency Range Minimum                                                                                 | 0.5 MHz                                      |
| Frequency Range Maximum                                                                                 | 50 MHz                                       |
| Rated Output Power                                                                                      | 500 W minimum                                |
| Gain                                                                                                    | 57 to 60 dB class listings                   |
| Amplifier Class                                                                                         | Class AB                                     |
| Operation Mode                                                                                          | linear                                       |
| Harmonics                                                                                               | less than -40 dBc                            |
| Vswr Protection                                                                                         | included                                     |
| Rf Gain Control                                                                                         | included                                     |
| Automatic Leveling                                                                                      | included                                     |
| Built In Rf Power Meter                                                                                 | included                                     |
| Compression                                                                                             | low compression at rated power               |
| Bandwidth Type                                                                                          | broadband                                    |
| Primary Application                                                                                     | RF power amplification for EMC and RF test   |
| Output Power Class                                                                                      | 500 watt                                     |
| Cooling Expectation                                                                                     | forced-air high-power RF amplifier           |
| Front Panel Metering                                                                                    | RF power meter                               |
| Protection Features                                                                                     | VSWR protection                              |
| Leveling Feature                                                                                        | ALC automatic leveling                       |
| Gain Control Feature                                                                                    | RF gain control                              |
| Lineage Listing Name                                                                                    | Kalmus LA500H / AR catalog listings          |
| Notes                                                                                                   |                                              |
| Frequency span, 500 W rating, gain, harmonics, and feature list from Kalmus LA500H / Amplifier Research |                                              |

product listings summarizing OEM LA500-series amplifier characteristics. Faceplate/calibration certificate may state finer limits.

### Available from Aumictech

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

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

#### Aumictech

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NIST-traceable calibration · SAM registered ·  
30-day returns  
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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.