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Data Sheet

August 14, 2026

KALMUS

Kalmus 7100LC (100W1000)

Kalmus 7100LC 100 W Broadband RF Power Amplifier The Kalmus 7100LC is a Class A linear broadband RF power amplifier rated 100 W from 80 to 1000 MHz. OEM Kalmus 7000-series LC catalog tables list typical gain 50 dB, gain flatness plus or minus 3.0 dB unlevelled / plus or minus 1.0 dB levelled, minimum gain control 15 dB, ALC, spurious maximum minus 66 dBc, harmonics maximum minus 16 dBc, and 7 × 19 × 21 in rack-mount chassis at 50 lb. Radiated RF immunity testing, broadband CW sweep pulse amplification, and EMC amplifier roles requiring 100 W from 80 to 1000 MHz. The Kalmus 7100LC is a Class A linear broadband RF power amplifier rated 100 W from 80 to 1000 MHz. OEM Kalmus 7000-series LC catalog tables list typical gain 50 dB, gain flatness plus or minus 3.0 dB unlevelled / plus or minus 1.0 dB levelled, minimum gain control 15 dB, ALC, spurious maximum minus 66 dBc, harmonics maximum minus 16 dBc, and 7 × 19 × 21 in rack-mount chassis at 50 lb. Radiated RF immunity testing, broadband CW sweep pulse amplification, and EMC amplifier roles requiring 100 W from 80 to 1000 MHz.



MODEL

Kalmus 7100LC

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

7100LC

LISTING

<https://aumictechlabs.com/products/7100lc-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kalmus 7100LC (100W1000) is a 100 W broadband RF power amplifier for communications, EMC testing, NMR/MRI, and laboratory applications across 80 MHz to 1000 MHz. Class A linear operation delivers low distortion with 50 dB gain, minimum 100 W output, and integrated

temperature and VSWR protection. Technical Specifications Frequency Range: 80 MHz to 1000 MHz Power Output: 100 W minimum Power Gain: 50 dB Gain Flatness: ± 3.0 dB unleveled; ± 1.0 dB leveled Gain Control Range: 18 dB Input for Full Output: 1 mW Spurious Outputs: -60 dBc maximum Harmonics: -16 dBc worst case Class of Operation: A Linear Input/Output Impedance: $50\ \Omega$ nominal Primary Power: 97–255 VAC, 50/60 Hz Operating Temperature: -10 to $40\ ^\circ\text{C}$ Cooling: Forced air Dimensions: $7 \times 19 \times 21$ inches (H $\times$ W $\times$ D) Weight: 50 lb (22.7 kg) Key Features Broad bandwidth operation with linear gain Automatic Leveling Control (ALC) for stable output 18 dB RF gain control with front panel adjustment Integrated blanking capability Real-time forward and reflected power metering Safety interlock input Remote control via optional GPIB or RS-232 interface N-type female connectors ($50\ \Omega$) Rack-mountable 19-inch format; optional bench-top case Status indicators: AC Line, Blanking, ALC, VSWR, Temp, Remote Active Typical Applications RF communications system testing Electromagnetic compatibility (EMC) testing NMR and MRI instrumentation General RF laboratory measurements Compatibility & Integration Optional GPIB and RS-232 interfaces enable remote operation and integration with automated test systems. Rear connector option available for OEM installations.

7100LC Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	Kalmus 7100LC
Rated Power	100 W
Linear Power At 1 dB Compression	100 W typical
Frequency Range	80 to 1000 MHz
Gain Typical	50 dB
Gain Flatness Unleveled	plus or minus 3.0 dB
Gain Flatness Leveled	plus or minus 1.0 dB
Gain Control Minimum	15 dB
ALC	yes
Class Of Operation	A Linear
Input Impedance	50 Ohm nominal
Input For Full Output	0 dBm nominal
Spurious Maximum	minus 66 dBc
Harmonics Maximum	minus 16 dBc
Protection	overtemperature VSWR overdrive
Operating Temperature	minus 10 to 40 C
Connectors Input Output	N Female
Cooling	Forced Air
Panel Meter	Forward and Reflected Power
Indicators	AC Line Blanking ALC VSWR Temp Remote Active
Dimensions HxWxD	7 × 19 × 21 in
Weight	50 lb (22.7 kg)
Primary Power	95 to 255 VAC 1 phase 960 VA
Blanking	yes
Safety Interlock Input	yes

PARAMETER	VALUE
Series Family	Kalmus 7000LC broadband amplifiers

7100LC Specifications

PARAMETER	VALUE
Kalmus 7100LC 100 W Broadband RF Power Amplifier	Overview
Applications	Radiated RF immunity testing, broadband CW sweep pulse amplification, and EMC amplifier roles requiring 100 W from 80 to 1000 MHz.
Forward and reflected power metering	Optional GPIB and RS232 remote control
Technical Specifications	Instrument Family: Kalmus 7100LC

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	minus 10 to 40 C
Operating Temperature	minus 10 to 40 C
Connectors Input Output	N Female
Cooling	Forced Air
Panel Meter	Forward and Reflected Power
Indicators	AC Line Blanking ALC VSWR Temp Remote Active
Dimensions HxWxD	7 × 19 × 21 in
Weight	50 lb (22.7 kg)
Primary Power	95 to 255 VAC 1 phase 960 VA
Blanking	yes
Safety Interlock Input	yes
Series Family	Kalmus 7000LC broadband amplifiers Notes From Kalmus Models 7025LC/7050LC/7075LC/7100LC OEM catalog specification table. Confirm CE option and remote-control fit on the specific unit.

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 Kalmus Models 7025LC/7050LC/7075LC/7100LC OEM catalog specification table. Confirm CE option and remote-control fit on the specific unit.

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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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.