

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

KALMUS

Kalmus 7075LC

Kalmus 7075LC Broadband RF Power Amplifier The Kalmus 7075LC is a Class A linear broadband RF power amplifier rated 75 W from 80 MHz to 1000 MHz. OEM catalog tables list 50 dB typical gain, ± 3.0 dB unlevelled gain flatness, ± 1.5 dB levelled flatness class, and 95–255 VAC single-phase 810 VA primary power. Radiated RF immunity and similar broadband RF drive applications from 80 MHz to 1 GHz at 75 W. VSWR and overtemperature protection class The Kalmus 7075LC is a Class A linear broadband RF power amplifier rated 75 W from 80 MHz to 1000 MHz. OEM catalog tables list 50 dB typical gain, ± 3.0 dB unlevelled gain flatness, ± 1.5 dB levelled flatness class, and 95–255 VAC single-phase 810 VA primary power. Radiated RF immunity and similar broadband RF drive applications from 80 MHz to 1 GHz at 75 W. VSWR and overtemperature protection class Linear Power At 1 dB Compression: 75 Watts typical



MODEL

Kalmus 7075LC

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

7075LC

LISTING

<https://aumictechlabs.com/products/7075lc-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kalmus 7075LC is a broadband RF power amplifier engineered for industrial test and measurement applications demanding high linearity and low distortion. Operating across 80–1000 MHz, this 75 W unit delivers rated power with exceptional gain flatness and minimal harmonic content, making it ideal for radiated RF immunity testing and similar demanding environments. Technical Specifications Rated Power: 75 W Linear Power (@ 1 dB compression): 75 W typical Frequency Range: 80–1000 MHz Gain (typical): 50 dB Gain Flatness: ± 3.0 dB unlevelled; ± 1.0 dB

levelled Key Features Wide instantaneous bandwidth supports sweep, pulse, and CW operation without band switching Automatic Leveling Control (ALC) maintains output amplitude across the frequency range RF gain control for precise power adjustment VSWR protection and RF power sensing prevent overdrive conditions and load mismatch damage Rugged RF power MOSFET design for field reliability Safety interlock input for operator and equipment protection Blanking capability for pulse applications Rack-mountable form factor with optional bench-top case Remote control via GPIB and RS-232 (optional) Optional rear connectors for flexible system integration Typical Applications Radiated RF immunity testing (IEC 61000-4-3) Broadband RF power delivery in EMC test systems Pulse and CW signal amplification Frequency sweep applications requiring low distortion Compatibility & Integration The amplifier integrates into complex test systems with full front-panel control or optional remote command via GPIB and RS-232 interfaces. RF power sensors built into the design prevent load-induced overdrive, protecting both the amplifier and connected loads in high-VSWR environments. Flexible mounting options accommodate standard 19-inch rack installations or portable bench configurations.

7075LC Characteristics / Specifications

PARAMETER	VALUE
Model	7075LC
Manufacturer	Kalmus
Frequency Range	80 MHz to 1000 MHz
Rated Power	75 Watts
Linear Power At 1 dB Compression	75 Watts typical
Gain Typical	50 dB
Gain Flatness Unleveled	±3.0 dB
Gain Flatness Leveled Class	±1.5 dB class (leveled)
Gain Control Minimum	15 dB class family
Class Of Operation	ClassAHarmonics Class: ≤ -20 dBc class family catalog note
Physical Dimensions	7 × 19 × 21 in (HxWxD)
Weight	50 lb (22.7 kg)
Primary Power	95–255 VAC, 1 phase, 810 VA
Load Impedance	50 Ohm
Protection	Overtemperature, VSWR class
ALC	Yes
Form Factor	Rack-mount RF amplifier
Series Family	Kalmus 7025LC/7050LC/7075LC/7100LC
Typical Use	Radiated RF immunity
Operating Mode	CW RF amplification
Brand Lineage	Kalmus

7075LC Specifications

PARAMETER	VALUE
Kalmus 7075LC Broadband RF Power Amplifier	Overview
Applications	Radiated RF immunity and similar broadband RF drive applications from 80 MHz to 1 GHz at 75 W.
Class A linear operation	75 W rated / 1 dB compression power
Technical Specifications	Model: 7075LC
Notes	From Kalmus catalog table for models 7025LC/7050LC/7075LC/7100LC (ATE Corp catalog extract).

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	7075LC
Manufacturer	Kalmus
Frequency Range	80 MHz to 1000 MHz
Rated Power	75 Watts
Linear Power At 1 dB Compression	75 Watts typical
Gain Typical	50 dB
Gain Flatness Unleveled	±3.0 dB
Gain Flatness Leveled Class	±1.5 dB class (leveled)
Gain Control Minimum	15 dB class family
Class Of Operation	ClassAHarmonics Class: ≤ -20 dBc class family catalog note
Physical Dimensions	7 x 19 x 21 in (HxWxD)
Weight	50 lb (22.7 kg)
Primary Power	95-255 VAC, 1 phase, 810 VA
Load Impedance	50 Ohm
Protection	Overtemperature, VSWR class
ALC	Yes
Form Factor	Rack-mount RF amplifier
Series Family	Kalmus 7025LC/7050LC/7075LC/7100LC
Typical Use	Radiated RF immunity
Operating Mode	CW RF amplification
Brand Lineage	Kalmus
Notes	
From Kalmus catalog table for models 7025LC/7050LC/7075LC/7100LC (ATE Corp catalog extract).	

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.